COMPLIMENTARY ISSUE!

THE SHOPPER'S GUIDE TO NEW PRODUCTS

A Sandhills Publication

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NOVEMBER 2011

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Volume 8 Issue 11

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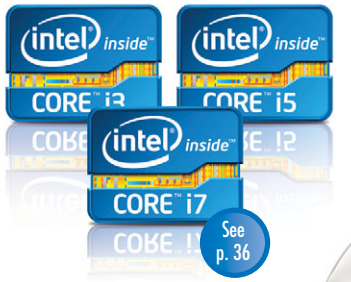

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First Glimpse
P.O. Box 82545
Lincoln, NE
68501-5380

Authorization For Reprints:
(800) 247-4880

Sandhills Publishing

Hours
Mon. - Fri.: 8 a.m. to 6 p.m. (CST)
Online Customer Service & Subscription Center
www.FirstGlimpseMag.com

Please note: Prices listed in this issue are for general reference and may vary from retailer pricing.

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Discover New Possibilities With Today's Technology

Connect Your Life

To make life a little less complicated, there are a variety of connected devices, technologies, and services you can use to your advantage. And with the right solution, you can tackle tasks regardless of where you are—at home, at work, on the road, or on the go. This is where you can discover the latest components to build a connected life and simplify how you retrieve information, enjoy entertainment, manage your life, communicate with others, and more.

The possibilities are limitless. No matter what you dream of doing, the world of consumer electronics can help you accomplish your goals.

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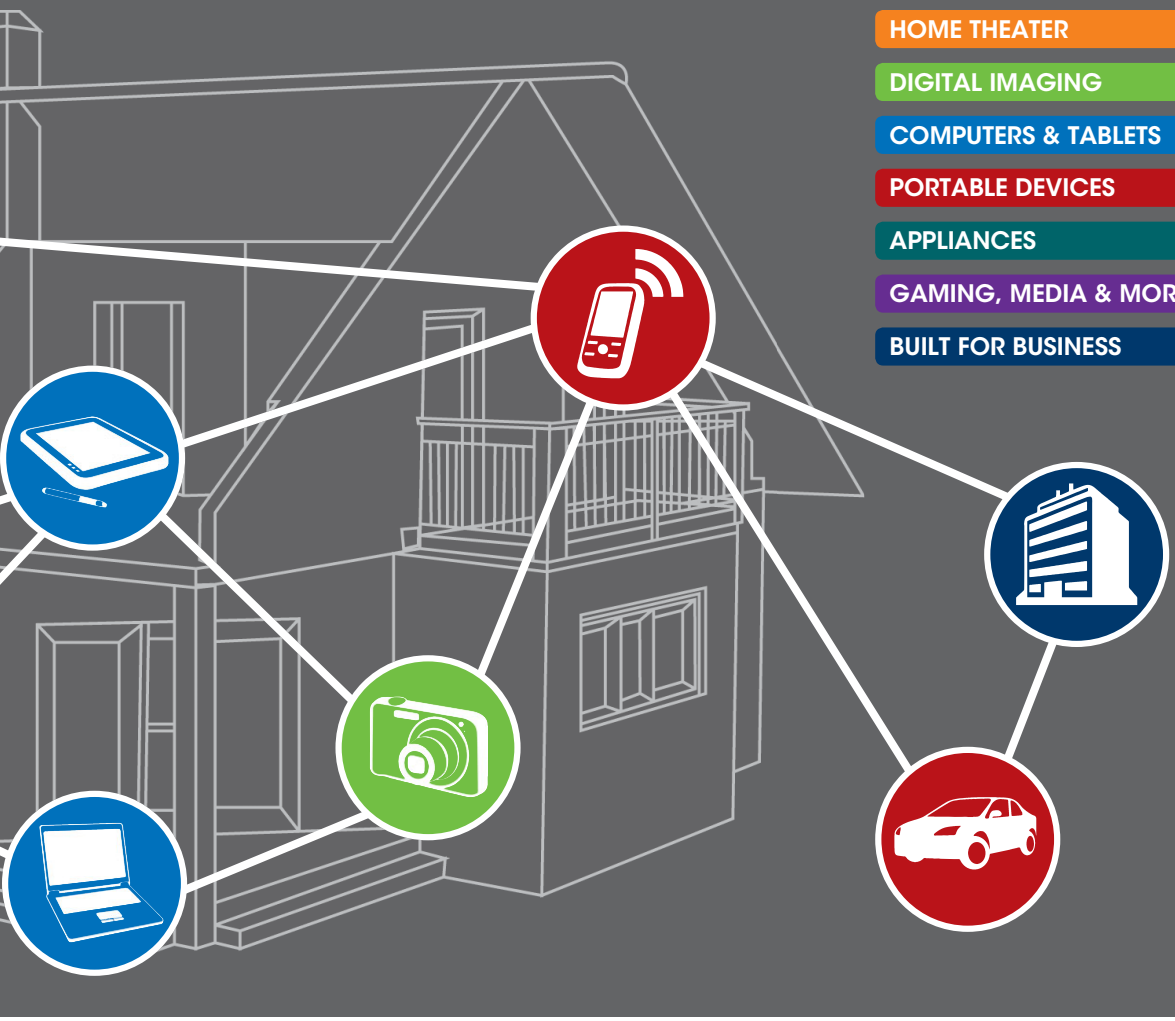

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Social Network Showdown

According to the analytics firm Social Bakers, Facebook is the top social networking site, followed by Twitter, LinkedIn, and Google Plus. Facebook reports that it has 760 million worldwide users and Twitter, LinkedIn, and Google+ have 200 million, 120 million, and 30 million, respectively.

Source: Social Bakers

How Malware Gets On PCs

CSIS Security Group A/S recently examined commercial malware kits designed to exploit vulnerabilities in out-of-date software to determine how computers get infected. The group found that approximately 31.3% of all PCs had malware on them due to unpatched security holes in popular software such as Java, Adobe Reader/Acrobat, and Adobe Flash.

Source: Net Security

TIDBITS

According to Localytics, 26% of the Android, Apple iOS, BlackBerry, and Windows Mobile 7 apps that were downloaded in 2010 were used only once.

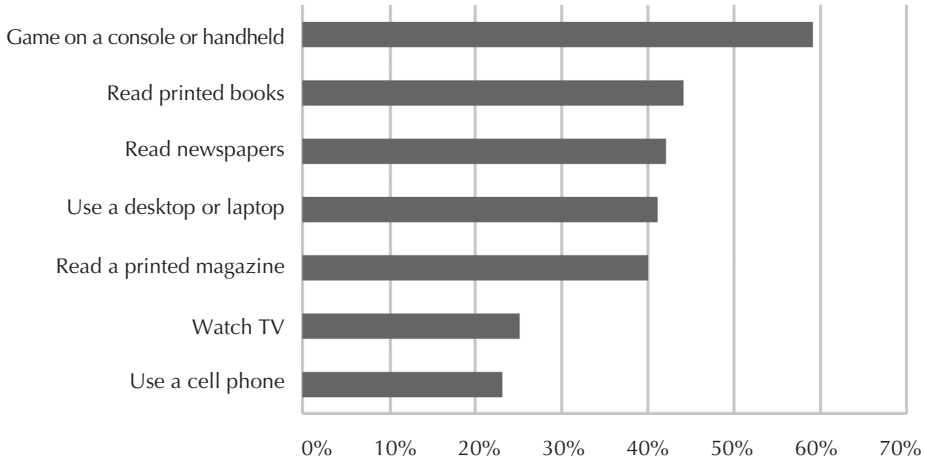
According to the analytics firm Social Bakers, 81% of Facebook's 760 million users are old enough to vote: 18 years old and older.

Preferred Web Devices

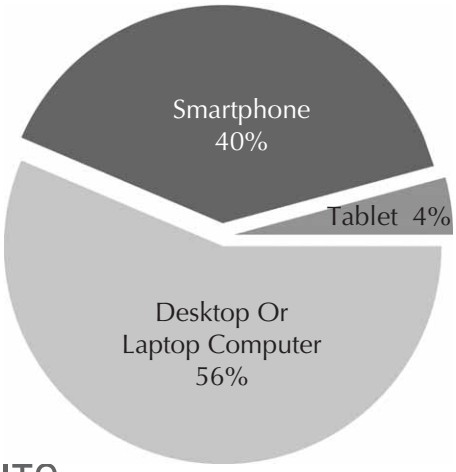
Prosper Mobile Insights recently surveyed consumers to determine which device—smartphone, tablet, desktop, or laptop—they prefer to use for surfing the Internet. A large majority of those surveyed (56%) said Web browsing is best on desktops and laptops, followed by smartphones (40%). Just 4% said they prefer to surf from a tablet.

Source: Prosper Mobile Insights

Tablet Owners Are Less Inclined To . . .



Preferred Internet Access Device



Tablet Disruption

According to the analyst firm GfK MRI, tablet owners are using their touchscreen toys at the expense of other devices. Game consoles and handheld game devices take the biggest hit; 59% of tablet owners report using them less often. Forty-four percent of tablet owners read fewer printed books, 42% read newspapers less often, 41% are less inclined to boot up a desktop or laptop, 40% don't pick up magazines as much, 25% watch less TV, and 23% don't use a cell phone as frequently.

Source: GfK MRI

TIDBITS

According to the latest Pew Internet Project survey, people 18 to 24 years old send and receive an average of 110 text messages every day. By contrast, those 25 to 34 years old and 35 to 44 years old send an average of 41.8 and 25.9 texts per day.

Airports are the most popular social network check-in locations. The No. 1 checked-in location in the U.S., according to Social Bakers, is Los Angeles International Airport, followed by Hartsfield Jackson and Chicago O'Hare.

Assistance When You Need It Most

CE Support

Online shopping has its benefits, but it's even better when you pair it with a tried-and-true brick-and-mortar store. With a host of in-person services and support, along with phone and Web assistance, getting help with your CE purchases has never been easier.

At Home, On The Phone & Online

Without making a store visit, there are many more ways in which you can tap into Best Buy's support and services.

- Schedule a Geek Squad consultation or installation for a home theater, network, or computer setup
- Call Best Buy customer service via its toll-free number (1-888 BEST BUY)
- Tweet @Twelpforce using Twitter for immediate Blue Shirt assistance
- Post to the Q&A message boards or check your order status, order history, and repair status on Bestbuy.com

In Store

When you visit a Best Buy store, you have access to a host of services, including:

- Professional repair services
- Recycle old ink and toner cartridges and rechargeable batteries
- Pick up online purchases at a store
- Receive a gift card or check for old electronics using the Best Buy Trade-In program
- Future-proof your purchases with the Best Buy Buy Back program

COVER STORY

EPSON®
EXCEED YOUR VISION

Epson Home Cinema 1080p 3D Projector

Immerse Yourself

IN LIFE-SIZE HOME CINEMA

HOME THEATER

It's a familiar tradition to relax and watch football after a Holiday meal. With the Epson Powerlite Home Cinema 3010 Projector, your guests can enjoy the game in a big way. They can hear the game with two powerful built-in 10W stereo speakers and see it with the life-like detail of 1080p HD video and immersive effects of 3D (two pairs of active-shutter 3D glasses are included).

Epson PowerLite Home Cinema 3010 | MSRP: $1,599 (includes two pairs of 3D glasses) | www.epson.com

Super Bright Color & 3D Cinematic Adventures

The Powerlite Home Cinema 3010 projects super bright, 1080p HD video with 2,200 lumens of color and white light output. In addition to true-to-life 2D video, the projector also produces high-quality 3D images utilizing Epson's Bright 3D Drive Technology.

"Half" It Your Way

Moving beyond traditional picture-in-picture modes, a Split Screen mode lets you simultaneously watch two different video sources that are equally sized side-by-side. Holiday entertainment can include two different football games or half of the screen can show football while the other half lets the kids enjoy a multiplayer video game. You can also hook up a computer to the Home Cinema 3010 and via Web chat spend 'face' time catching up with friends and family who weren't able to be there in person.

Project Wirelessly

Offering WirelessHD technology, the Epson Home Cinema 3010e ($1,799 with WirelessHD, glasses not included) doesn't need an HDMI cable hooked up to a video source. It offers the same high-end video performance as the Home Cinema 3010. You can find both models at www.bestbuy.com.

Hide Those Cables

A Sleek Home THEATER LOOK

When you're ready for entertainment, it's your HDTV you want to see—not the cables behind it. Likewise, you want to enjoy your surround-sound system's audio, not see its speaker wires everywhere.

Wireless Video

There are several products that can transmit HD video from one device to another. For example, the Actiontec MyWirelessTV kit ($299.99; www.actiontec.com) on the facing page can wirelessly connect video sources with an HDMI output to an HDTV, including HD and 3D content. Also, many TVs, set-top boxes, and disc players have built-in Wi-Fi capabilities, so you can wirelessly access video from the Web or your home network.

Wireless Audio

Rather than rely on cables, some audio solutions employ wireless connections. For instance, there are surround-sound systems with wireless rear or side speakers, and/or a wireless subwoofer. You won't need to string speaker wire or cabling to wireless speakers, but keep in mind that they will need AC or battery power.

Another way to eliminate visible audio cables is to buy a sound bar instead of a traditional surround-sound system. When mounted above or below the TV screen, a sound bar uses several speakers and the acoustics of your home theater to simulate surround-sound audio convincingly.

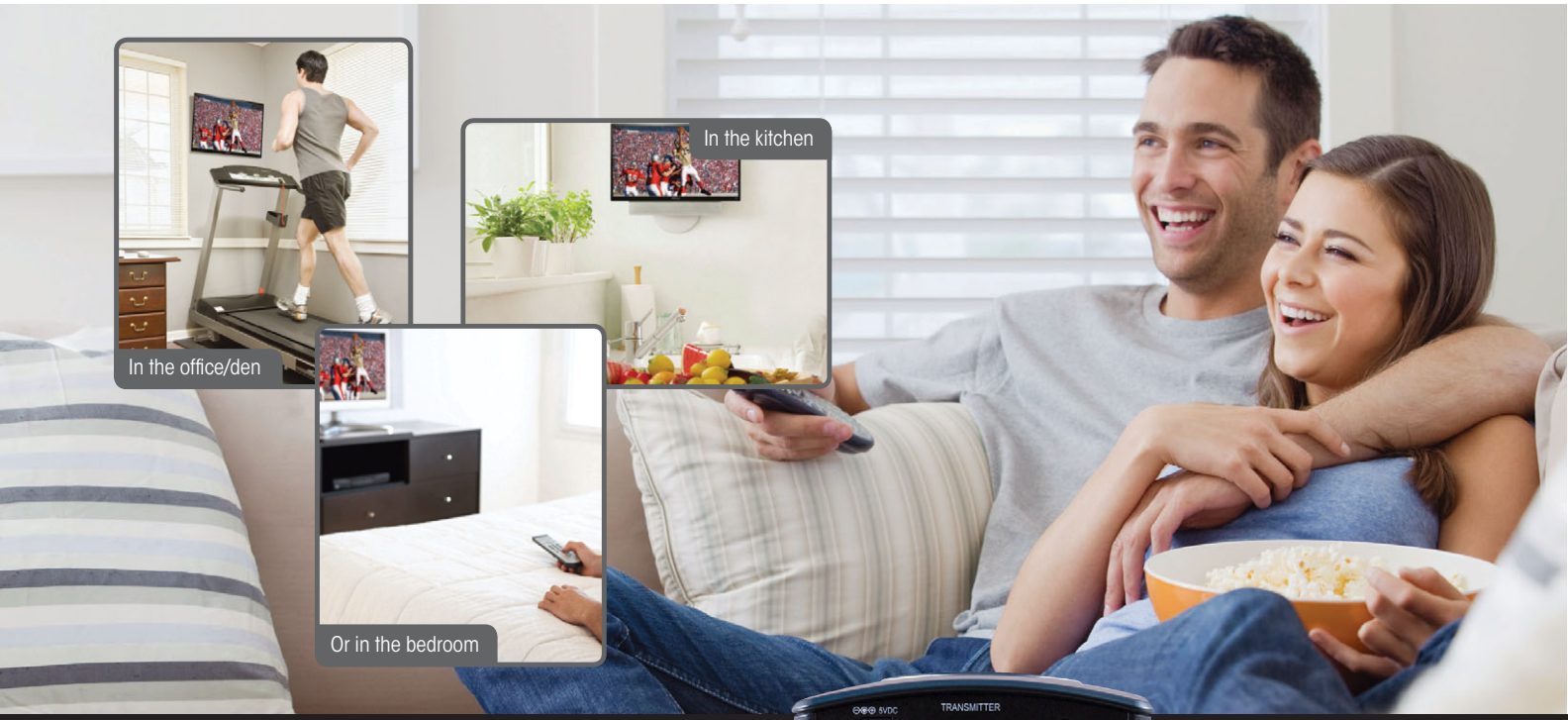
. . . you won't need to string speaker wire or cabling to wireless speakers, but keep in mind that they will need AC or battery power.

HD Video Over Wi-Fi

HDTV Anywhere

FROM ONE DEVICE TO EVERY HDTV

HOME THEATER



Actiontec MyWirelessTV HD Video Kit | $229.99 | www.actiontec.com

The high-definition home-theater experience extends beyond the living room—and now without wires—thanks to the Actiontec MyWirelessTV Multi-Room Wireless HD Video Kit ($229.99; www.actiontec.com). Using a dedicated high-speed Wi-Fi connection, you can connect any device with an HDMI output, such as a DVR, Blu-ray Disc player, or game console to any HDMI-enabled HDTV up to 150 feet away. What's more, you'll enjoy high-quality entertainment because MyWireless TV supports 1080p HD and 3D video formats.

Simple Setup

By connecting the MyWirelessTV HD Video Transmitter to your source device (via the included HDMI cable), you can wirelessly connect to any HDTV that's connected to the MyWirelessTV HD Video Receiver. You can also add additional transmitters and receivers any time to be able to connect multiple devices and TVs.

HD Content Anywhere

MyWirelessTV gives you the freedom to place your HDTV anywhere in your home—you can even place it outside. And by building a network of MyWirelessTV transmitters and receivers for all of the entertainment components in your home, everyone in the family can watch what they want where they want. For instance, you and your spouse can watch a BD movie from your living room in your bedroom while your kids access their favorite programs in the kitchen from the DVR in the basement. The possibilities are endless.

Tap Into Media Via The Web

Make TV Smart

To access online content in your home theater, you have two choices—a smart set-top box or smart HDTV. Both devices will expand your entertainment options to include videos, music, and other media via the Web, but they differ in terms of setup.

Sharp AQUOS LC-80LE632U 80-inch class LED TV
$4,999.99 | www.sharpusa.com

Smart Set-Top Boxes

A smart set-top box is a dedicated device with its own remote. When connected to your home network and TV, you can watch media from the Web or your network. Many game consoles, home-theater PCs, A/V receivers, and disc players can also double as a smart set-top box.

Setup. Connect the smart set-top box to your home network using an Ethernet cable or Wi-Fi and connect it to your TV.

Smart HDTVs

Smart HDTVs may cost more than typical HDTVs, but they let you enjoy Web content and services and home network media without adding an external smart device to your home theater.

Setup. Connect the smart HDTV to your home network using an Ethernet cable or Wi-Fi.

Smart Advantages

Smart set-top boxes and smart HDTVs offer similar features, but depending on the model you might be able to:

- Stream audio and video from Internet services, such as Netflix, Vudu, YouTube, CinemaNow, or others
- Select and use widgets to keep tabs on weather reports, sports scores, and more on your TV
- Surf the Web and directly visit Web sites with streaming content
- Access and enjoy video files and songs saved on devices connected to your home network
- Record TV programs and redirect them to your mobile devices
- Simultaneously search apps, shows saved on your DVR, media from your home network, as well as the Internet for content

Essential Things To Know

Amplifiers

An amplifier is an important part of your HT surround-sound system. It boosts the audio signal from your A/V receiver and reduces interference so you can enjoy enhanced audio detail from your speakers.

What does an amplifier do?

It boosts the audio signal from your A/V receiver and drives it to your home-theater speakers.

What is the difference between an amplifier and preamplifier?

While an amplifier boosts an audio signal, a preamplifier, which is also known as an A/V receiver, lets you select a sound source to send to your speakers and control your speaker volume.

How does an increase in power lead to better home-theater sound?

While A/V receivers include some power amplification, the power produced by an amplifier delivers more energy per speaker channel. This means you'll hear more sound details and bass coming from your speakers.

Why is an amplifier ideal for a whole-home audio system?

By using an amplifier, you won't need to install multiple A/V receivers throughout your home. Amplifiers can effectively send audio signals to speakers that are connected by long runs of wire, so you'll also be able to control your entire speaker system from one location.

Why do outdoor speakers require more power?

Outdoor speakers compete with ambient noise and typically reside in open spaces where sound can't be contained. To overcome these obstacles, you need an amplifier that's powerful enough to drive sound to outdoor speakers.

How does an amplifier prevent audio interference?

An amplifier efficiently delivers power to each speaker channel, keeping interference to a minimum. Some amplifiers also use separate power supplies for individual speaker channels to prevent audio details from becoming lost in high (treble) and low (bass) frequencies.

Audio & Video The Way It Should Be

HDTV Calibration

Out of the box, an HDTV's audio and video settings are programmed to make it look and sound the best in a retail environment. Because it's unlikely your home theater is noisy and fluorescent-lit, you need your HDTV professionally calibrated to match its unique setting.

Service Details

- An ISF-certified installer will visit your home and optimize your HDTV the way it's meant to be seen and heard.
- Using professional calibration tools, the installer will adjust video settings to meet ISF standards on two different source inputs.
- To create a tidy home-theater appearance, the installer will dress all cables and wires behind your HDTV.
- Any special features or capabilities of your HDTV's remote control that may be helpful to you now or in the future will be explained by the installer.

Calibration Benefits

- Overall, the quality of your HDTV's on-screen images will be better and truer to life. Notably, skin tones and snow scenes won't appear off-color.
- To ensure a fully immersive audio experience, your surround-sound speaker levels will be optimized and the position of your speakers will be checked.
- Your TV's contrast will yield brighter whites and darker blacks, letting you see details you wouldn't have noticed before.
- Cable management makes it easy to identify inputs and outputs and keeps your home-theater setup tidy.

Fast Fact: An ISF (Imaging Science Foundation)-certified installer is trained to use advanced equipment so you enjoy the highest quality HDTV video.

Screen Technology Differences

HDTVs

To pinpoint the best HDTV screen technology for your needs, you should consider the type of content you want to watch and the location in which you'll put your TV. Here's a look at what sets screen types apart, their benefits and drawbacks, and situations where they're ideal.

LCD (liquid-crystal display)

LCDs can use one of two backlight technologies. CCFLs (cold cathode fluorescent lamps) are the most common, but LEDs are the latest backlight technology to hit the LCD scene. (See the "LED" section for more info on LED TVs.)

Pros

- The thin profiles and light weight of LCDs make them easy to mount on a wall.
- Power demands are a bit lower than comparably sized plasma displays and considerably lower than CRT televisions.

Cons

- Fast-moving images may suffer from a slight trailer effect, but with improved LCD technology, the effect is barely perceptible.
- When pixels stick on or off, they show up as either a pinpoint of bright light or black, which can be distracting on-screen.
- From certain viewing angles, LCDs will lose video contrast and color.
- LCDs with CCFL backlighting suffer from leaking light, and unlike LEDs, they can't dim certain areas on-screen. This may result in blacks and whites that appear to be more gray in color.

Best For

- Streaming PC content
- Bright, sunny rooms

LED (light-emitting diode)

LED TVs are actually a type of LCD TV. These sets use one of two LED backlight technologies:

- Full-array lighting places LEDs behind the screen in a grid pattern, letting the TV dim certain LEDs for the best contrast ratios available.
- Edge-lit sets have LEDs placed around the frame of the TV, and light is directed toward the center of the screen. Edge-lit models cost less than full-array sets and are a lot thinner.

Pros

- By using LEDs, these sets use a lot less electricity than other HDTVs, and they don't contain harmful mercury.
- Overall, LED TVs are one-third thinner than other LCD TVs and have longer life spans.
- Plasmas are well-known for their deep blacks, crisp whites, and fast response times, but LED TVs closely match in performance.

Cons

- Sets are costly because they feature a newer technology.
- Blooming, or a halo effect, may encircle bright images that are on dark backgrounds.

Best For

- Eco-conscious viewers
- Fast-paced gaming

Plasma

Pros

- A plasma TV's phosphors light up evenly across the screen to create images, which are consistently bright and clear with vibrant colors.
- The contrast ratio is high, so you'll see some of the darkest blacks and brightest whites.
- The design and technology of plasma TVs lend themselves to large screen sizes—typically 42 inches or greater.
- Rapid pixel response means no blurry motion.
- Wide viewing angles give you the same high-quality images on-screen no matter where in the room you happen to be sitting.

Cons

- Some plasmas are susceptible to image burn-in if not cared for properly.
- Low air pressure and high altitudes may cause plasmas to buzz.
- Some plasmas have highly reflective glass, which isn't ideal in sunny settings.

Best For

- Large groups who watch TV together
- Movies or sports with nonstop action

RPTV (rear-projection TV)

Pros

- RPTVs are surprisingly lightweight for their sizes.
- You'll find exceptional picture quality on very big screens (typically 60 inches and larger).
- As screens get bigger, RPTVs tend to be more cost-effective than an LCD, LED, or plasma TV.

Cons

- With depths of 16 to 24 inches, these TVs are far too big and bulky to mount on a wall.
- RPTVs require lamp replacements every few years.

Best For

- Anyone who wants to bring a cinematic experience home
- Big, roomy home theaters

Watch True-To-Life Video On An

LCD Or LED TV

If you're shopping for an LCD TV, the first thing you should know is that an LED TV is actually a type of LCD TV. What makes them different are the light technologies they use to project images, as detailed below. While you're here, take a look at what else sets LCDs apart.

		Light projection	Size	Dimensions; Weight***	Native resolution	Viewing angle	Inputs & Outputs	Refresh rate**
	What It Means	How images are projected on-screen; type of backlight an LED-LCD uses	The diagonal measurement of the TV's screen	Height x width x depth; How much the TV weighs	A fixed TV resolution; images are best displayed in this	The angle at which the viewer can see the screen clearly	Inputs let you connect devices; Outputs transfer information to peripherals	Speed at which a screen is redrawn every second
	Samsung LN46D630 MSRP: $999.99* SKU 2122306	CCFL	46 inches	26.5x43.9x 3.2 inches; 41.2 pounds	1080p	N/A	4 HDMI, 2 Component, 2 Composite, 1 PC, 2 USB; 1 audio out	120Hz
	Toshiba 55G310U MSRP: $1,299.99* SKU 2363655	CCFL	55 inches	33.49x52.8x 4.09 inches; 66.8 pounds	1080p	N/A	3 HDMI, 1 Component, 1 PC, 1 USB; N/A	120Hz
	Westinghouse LD-4655VX MSRP: $799.99* SKU 1997794	LED (edge-lit)	46 inches	26.9x43.2x 2.14 inches; 35.3 pounds	1080p	176 degrees	2 HDMI, 1 Component, 1 Composite, 2 PC; 2 audio outs	120Hz
	Sharp AQUOS LC-80LE632U MSRP: $4,999.99* SKU N/A	LED (edge-lit)	80 inches	33x54.45x 2.84 inches; 65.7 pounds	1080p	N/A	4 HDMI, 1 Component, 1 Composite, 1 PC, 2 USB; 2 audio outs	120Hz
	RCA LED42A55R120Q MSRP: $679.99* SKU 2877143	LED (edge-lit)	42 inches	26.9x39.9x 2 inches; 34.5 pounds	1080p	168 degrees	4 HDMI, 1 Component, 1 Composite, 1 PC; N/A	120Hz
	LG 55LW6500 MSRP: $2,699* SKU 2355204	LED (edge-lit [LED Plus])	55 inches	30.9x51.12x 1.25 inches; 48.5 pounds	1080p	N/A	4 HDMI, 2 Component, 1 PC, 2 USB; 1 digital audio out	240Hz
	Sony KDL60NX720 MSRP: $3,499.99* SKU 2371038	LED (edge-lit)	60 inches	31.75x50.5x 1.12 inches; 50.9 pounds	1080p	178 degrees	4 HDMI, 1 Component, 2 Composite, 2 USB, 1 PC; 1 digital audio out, 1 audio out	120Hz
	Elite PRO-60X5FD MSRP: $5,499* SKU 3143429	LED (full-array)	60 inches	33.5x55.12x 3 inches; 66.1 pounds	1080p	176 degrees	4 HDMI, 1 Component, 1 Composite, 2 USB, 1 PC; 1 digital audio out	240Hz

LED-LCD

*Prices listed in this issue are for general reference and may vary from retailer pricing.
***Unless specified, this is without stand

**Comparing refresh rates between plasma and LCD TVs is like comparing apples to oranges. For more in-depth information about refresh rates, please ask a sales associate.

Experience Bold & High-Contrast Color On A

Plasma TV

If you're planning to buy a plasma HDTV, it might be hard to decide on one just by looking at a wall of gorgeous sets. Refer to this chart for further help when shopping.

	Size	Dimensions; Weight***	Native resolution	Viewing angle	Inputs	Outputs	Refresh rate**
What It Means	The diagonal measurement of the TV's screen	Height x width x depth; How much the TV weighs	A fixed TV resolution; images are best displayed in the native resolution	The maximum angle at which the viewer can see the screen clearly	Inputs let you connect your components to your TV	Outputs transfer information from your TV to peripherals, such as audio to speakers	Speed at which a screen is redrawn every second
Insignia NS-42P650A11 MSRP: $499.99* SKU 9748831	42 inches	24.9x40.6x 2.8 inches; 49.6 pounds	720p	N/A	2 HDMI, 2 Component, 1 Composite	2 audio	600Hz
Insignia NS-50P650A11 MSRP: $697.99* SKU 9745916	50 inches	31.3x47.4x 2.8 inches; 50.7 pounds	720p	N/A	2 HDMI, 2 Component, 1 Composite	2 audio	600Hz
Panasonic VIERA TC-P46X3 MSRP: $699.99* SKU 2125242	46 inches	27.7x44.4x 3.7 inches; 58.5 pounds	720p	N/A	2 HDMI, 1 Component, 1 Composite, 2 USB, 1 Ethernet	1 audio	600Hz
Samsung PN51D450A2 MSRP: $799.99* SKU 2135081	51 inches	27.9x46.9x 2.3 inches; 49.6 pounds	720p	N/A	2 HDMI, 2 Component, 1 Composite, 1 USB	1 audio	600Hz
Samsung PN51D490A1 MSRP: $899.99* SKU 2135072	51 inches	27.9x46.9x 2.3 inches; 49.6 pounds	720p	N/A	2 HDMI, 2 Component, 1 Composite, 1 USB	1 audio	600Hz
Panasonic VIERA TC-P55ST30 MSRP: $1,799.99* SKU 2201056	55 inches	32x52.2x 2.8 inches; 72.8 pounds	1080p	N/A	3 HDMI, 1 Component, 1 Composite, 2 USB, 1 Ethernet	1 audio	600Hz
LG 50PZ950 MSRP: $1,899.99* SKU 2355222	50 inches	28.3x46.7x 2 inches; 62.2 pounds	1080p	N/A	4 HDMI, 2 Component, 2 Composite, 2 USB, 1 PC, 1 Ethernet	1 audio	600Hz
Samsung PN59D6500D MSRP: $2,199.99* SKU 2254075	59 inches	32.6x54.3x 1.5 inches; 67.5 pounds	1080p	N/A	4 HDMI, 2 Component, 1 Composite, 1 USB, 1 PC, 1 Ethernet	1 audio	600Hz

*Prices listed in this issue are for general reference and may vary from retailer pricing.
***Unless specified, this is without stand

**Comparing refresh rates between plasma and LCD TVs is like comparing apples to oranges. For more in-depth information about refresh rates, please ask a sales associate.

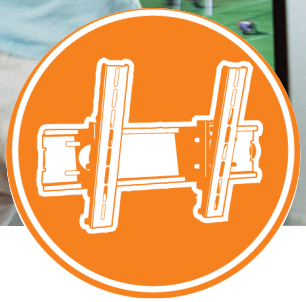
Essential

Accessories

As you head toward the HDTV section of your local CE retailer, you'll pass shelves filled with HDTV accessories. To get the most out of your HDTV, you should invest in some key accessories for a complete home-theater setup.

Universal Remote Controls

Rather than rely on multiple remote controls to take command of your various home-theater devices, you can streamline your setup with one remote to control them all. Many models are programmable, so you can simultaneously perform functions with a single button.



Wall Mounts

To free up floor space, achieve a modern look, and view your TV from the best possible angle, you need a wall mount. With the right model, you can swivel and pull your television away from a wall or vertically and horizontally adjust.

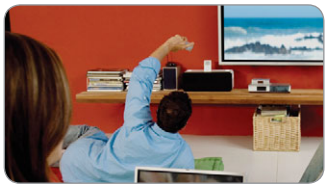
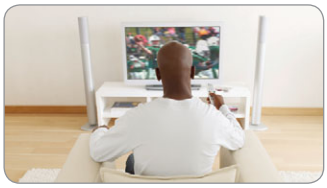
Surge Protectors & Power Conditioners

With a surge protector, you can protect your home-theater devices from damage caused by electrical fluctuations. Further, a power conditioner will filter out "dirty power" (also known as electrical interference) that can degrade your audio and video.

Audio Add-Ons

While you can depend on your HDTV's built-in speakers for audio, they don't provide the best entertainment experience. Instead, you should pair your TV with an audio solution that can reproduce sound qualities you might have otherwise missed. Options include an HTiB (home theater in a box), sound bar, or individual speaker components.

HDTV GLOSSARY

Balderdash! OK, HDTV jargon isn't quite *that* bad, but there are a few terms that every shopper needs to know. Here is your cheat sheet.

aspect ratio—Put simply, it's the shape of the TV's screen. An HDTV has a wider picture than a traditional TV of the same vertical screen height. An HDTV has a 16:9 aspect ratio, meaning that if its screen were 16 inches wide, it would be 9 inches tall. A regular 4:3 TV screen would be 12 inches wide at the same 9-inch height.

HDMI (High-Definition Multimedia Interface)—A type of cable connection that carries both high-resolution video and uncompressed multichannel audio between HDTVs, home-theater receivers, and the other components required for your home-theater setup. HDMI cables maintain top picture and sound quality.

HD tuner—A built-in tuner for receiving local high-def broadcast TV channels. You won't need one if you have cable or satellite service. Most HDTVs include one, but separate HD tuners and antennas are available if your TV doesn't have one.

interlaced—When an HDTV displays an interlaced image, as in 1080i or 480i resolutions, it really shows you every other horizontal line of a frame of video (called a field) at a time. Sixty times a second, the TV displays the other field of the frame, or the lines not shown in the previous field. Interlaced video can appear to flicker or might cause moving objects on-screen to have blurred edges.

LCD (liquid-crystal display)—Like a notebook's screen, an LCD HDTV uses a fluid crystal substance to form pixels of color in front of a backlight. LCDs may not be able to match plasma TVs' deep black and gray areas, but they're lighter, sometimes less fragile, and considered easier to set up. These work better in brighter rooms or if you will be playing unchanging images on the screen for an extended period of time.

plasma—Plasma TVs use a tiny tube of gas for each pixel, and electricity makes each pixel glow. Plasmas create deeper blacks and sometimes brighter colors than LCDs and have better contrast. These also offer slightly better viewing angles. However, older or less expensive models can also suffer from permanent screen damage if an unchanging image, such as a TV channel's stock ticker or parts of certain video games, is displayed too long.

progressive scan—A TV showing a progressively scanned image, as in 1080p or 720p resolutions, displays a full frame of video (both odd-lined and even-lined fields) all at once. Progressive scan video looks sharper than interlaced does and doesn't flicker.

projection—Some large-screen HDTVs offer lower-priced alternatives to LCDs or plasmas by using projection technologies. These technologies vary, but all projection TVs throw light on a screen from the front or rear. This means they are bulkier than plasmas or LCDs, but some sets have stellar picture quality.

viewing angle—No matter where you sit in front of an HDTV with a wide viewing angle, such as 170 degrees, its picture should look reasonably good. Test this before you buy.

widescreen—A TV or monitor that's wider horizontally in relation to its vertical height. HDTVs typically have a 16:9 aspect ratio rather than an older 4:3 display.

Performance & Style

Canon PowerShot ELPH 310 HS

Ideal for everyday photographers that are always on the go, Canon's PowerShot ELPH 310 HS point-and-shoot camera ($259.99; www.powershot.com) combines the two things you really want in a digicam: performance and portability. So, no matter where you take the ELPH 310 HS camera, you can slip it out of your pocket to capture photos and video with great results.

Canon PowerShot ELPH 310 HS | $259.99
SKU: 3098086 | www.powershot.com

The black model is a Best Buy exclusive.

Slim & Power Packed

The ELPH 310 HS has what it takes to produce pictures you want to compose:

- 8X optical zoom to get up-close shots from far away
- Canon's HS SYSTEM and DIGIC 4 Image Processor for superior low-light performance
- 12.1 megapixels and large 3-inch LCD
- 28mm wide-angle lens to fit everything into frame, including big groups or horizons
- Smart AUTO technology selects the best shooting mode based on the type of scene or subject
- High-Speed Burst mode to ensure quick and accurate shots, so you don't miss a moment

One-Touch High-Quality Video

The Canon ELPH 310 HS can also record high-quality video in Full HD 1080p. Simply press the camera's movie button, and you can record moments with vivid color and true-to-life details. You can also zoom and capture photos as you shoot video. And to watch your video on the biggest screen in your home, you can connect the ELPH 310 HS to an HDTV via an HDMI cable.

Canon

Don't Miss A Moment With A

Canon PowerShot

Give a Canon PowerShot (www.powershot.com) this holiday season, and your recipient can capture treasured memories all year long with the features they need and want most.

DIGITAL IMAGING

Product Name SKU	A2200 2044265	A3300 2419053	ELPH 100 HS 2030087	300 HS 2044131	ELPH 310 HS 3104167	SX150 IS 3097254	SX230 HS 2030078	SX40 HS 3098129
Additional Colors Available	2044177 2044186 2044195	2419044 2419062 2419071 2419035	2030096 2030111 2030069 2030102	2044104 2044043	3098086 3301726 3301753 3301744 3301762	3098031	2030041 2030032	
MSRP*	$139.99	$159.99	$179.99	$229.99	$259.99	$249.99	$329.99	$429.99
Resolution	14.1MP	16MP	12.1MP	12.1MP	12.1MP	14.1MP	12.1MP	12.1MP
Optical Zoom	4X	5X	4X	5X	8X	12X	14X	35X
LCD	2.7-inch	3-inch	3-inch	2.7-inch	3-inch	3-inch	3-inch	2.7-inch Vari-Angle
Processor	DIGIC 4	DIGIC 4	DIGIC 4	DIGIC 4	DIGIC 4	DIGIC 4	DIGIC 4	DIGIC 4
Smart Auto Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HD Movie Mode	Yes, up to 720p	Yes, up to 720p	Yes, up to 1080p	Yes, up to 1080p	Yes, up to 1080p	Yes, up to 720p	Yes, up to 1080p	Yes, up to 1080p
Optical Image Stabilizer	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ISO	Up to 1600	Up to 1600	Up to 3200	Up to 3200	Up to 3200	Up to 1600	Up to 3200	Up to 3200
Face Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wide-Angle Lens	No	No	Yes, 28mm	Yes, 24mm	Yes, 28mm	Yes, 28mm	Yes, 28mm	Yes, 24mm
HS System	No	No	Yes	Yes	Yes	No	Yes	Yes

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Canon

Get Creative Results With A

Canon D-SLR

Providing the tools necessary for photography enthusiasts and professionals, a Canon D-SLR (www.usa.canon.com) will deliver the image results you want to achieve.

Product Name SKU	EOS Rebel T3 1987075	EOS Rebel T2i 9778635	EOS Rebel T3i 1980124	EOS 60D 1221963	EOS 7D 9491935	EOS 5D Mark II 9152454
MSRP*	$599.99	$799.99	$899.99	$1,299.99	$1,899.99	$2,499.99
Effective Resolution	12.2MP	18MP	18MP	18MP	18MP	21.1MP
Kit Lens	EF-S 18-55mm IS II	EF-S 18-55mm IS II	EF-S 18-55mm IS II	EF-S 18-135mm IS	EF 28-135mm IS	Body only (no lens)
Image Processor	DIGIC 4	DIGIC 4	DIGIC 4	DIGIC 4	DIGIC 4	DIGIC 4
LCD	2.7-inch	3-inch	3-inch Vari-Angle	3-inch Vari-Angle	3-inch	3-inch
Shutter Speed	30 to 1/4,000 seconds	30 to 1/4,000 seconds	30 to 1/4,000 seconds	30 to 1/8,000 seconds	30 to 1/8,000 seconds	30 to 1/8,000 seconds
Memory Card Support	SD/SDHC/SDXC	SD/SDHC/SDXC	SD/SDHC/SDXC	SD/SDHC/SDXC	CF Type I and II	CF Type I and II
Maximum ISO	6400	6400; can be expanded to 12800	6400; can be expanded to 12800	6400; can be expanded to 12800	6400; can be expanded to 12800	6400; can be expanded to 12800 or 25600
Continuous Shooting Speed	3 shots per second	3.7 shots per second	3.7 shots per second	5.3 shots per second	8 shots per second	3.9 shots per second
Movie Mode	HD 720p	Full HD 1080p	Full HD 1080p	Full HD 1080p	Full HD 1080p	Full HD 1080p
Autofocus System	9-point	9-point	9-point	9-point	19-point	9-point plus 6 AF assist points
Live View	Yes	Yes	Yes	Yes	Yes	Yes
Face Detection	No	Yes	Yes	Yes	Yes	Yes
Weight (Camera Body Only)	17.4 ounces	18.7 ounces	18.2 ounces	23.8 ounces	28.9 ounces	28.6 ounces
Battery Type	LP-E10 rechargeable	LP-E8 rechargeable	LP-E8 rechargeable	LP-E6 rechargeable	LP-E6 rechargeable	LP-E6 rechargeable

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Canon

Capture Life's Special Moments With A

Canon Camcorder

Canon digital camcorders (www.usa.canon.com) have the innovation you need and the reliability you want in delivering superior image quality and performance.

Product Name SKU	VIXIA HF R20 2086276	VIXIA HF R21 2088317	VIXIA HF M40 2088371	VIXIA HF M41 2088565	VIXIA HF G10 2089051
MSRP*	$349.99	$449.99	$599.99	$699.99	$1,499.99
Recording Formats	MPEG4-AVC and H.264	MPEG4-AVC and H.264	MPEG4-AVC and H.264	MPEG4-AVC and H.264	MPEG4-AVC and H.264
Recording Media	Flash memory	Flash memory	Flash memory	Flash memory	Flash memory
Internal Storage	8GB	32GB	16GB	32GB	32GB
LCD Screen	3-inch widescreen touch panel	3-inch widescreen touch panel	3-inch widescreen touch panel	3-inch widescreen touch panel	3.5-inch widescreen touch panel
Memory Card	SD/SDHC/SDXC	SD/SDHC/SDXC	SD/SDHC/SDXC	SD/SDHC/SDXC	SD/SDHC/SDXC
HD CMOS PRO	No	No	Yes	Yes	Yes
Max Shutter Speed	Movie: 1/2,000; Still image: 1/500	Movie: 1/2,000; Still image: 1/500	Movie: 1/2,000	Movie: 1/2,000	Movie: 1/2,000
Image Stabilizer	Electronic: Dynamic IS, Standard	Electronic: Dynamic IS, Standard	Dynamic SuperRange Optical (lens shift, Standard SuperRange Optical (lens shift), and Powered IS	Dynamic SuperRange Optical (lens shift, Standard SuperRange Optical (lens shift), and Powered IS	Dynamic SuperRange Optical (lens shift, Standard SuperRange Optical (lens shift), and Powered IS
Optical & Digital Zoom	20X and 400X	20X and 400X	10X and 200X	10X and 200X	10X and 200X
Smart Auto	Yes	Yes	Yes	Yes	Yes
Instant Auto Focus	No	No	Yes	Yes	Yes
Audio	Dolby Digital 2-channel	Dolby Digital 2-channel	Dolby Digital 2-channel, 5.1-channel with optional Canon SM-V1 mic)	Dolby Digital 2-channel, 5.1-channel with optional Canon SM-V1 mic)	Dolby Digital 2-channel, 5.1-channel with optional Canon SM-V1 mic)

*Prices listed in this issue are for general reference and may vary from retailer pricing.

How To Buy

A Digital SLR

A D-SLR is the most powerful and flexible type of digital camera available due to its interchangeable lenses, adjustable settings, and other features. With sizes and features to fit most budgets, here's what you should consider when shopping for a D-SLR.

Ease Of Use

Preset scene modes can simplify your shooting: Just select the appropriate mode to capture perfect photos of kids and pets, sports, sunsets, and more.

In-camera special effects, such as sepia tones or black-and-white, add another dimension to your shooting. Some D-SLRs include a guide mode that can help you take better photos, such as the Nikon D3000 ($549.95; www.nikonusa.com).

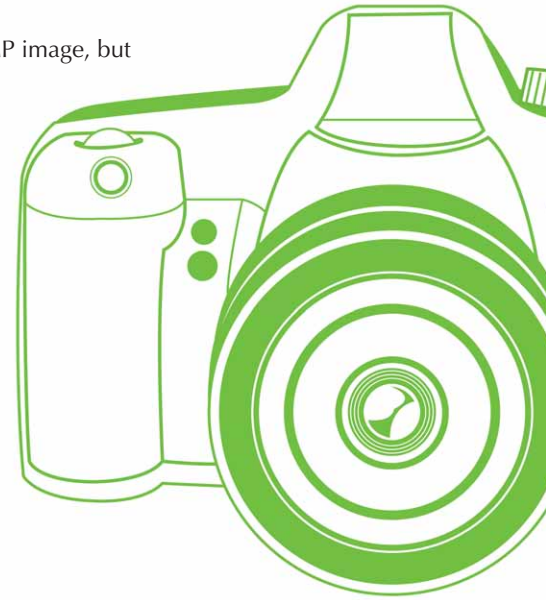
HD Video

Many D-SLRs can shoot full HD 1080p video with sound. Just switch the camera to HD Movie Mode to capture HD video clips—length will depend on a memory card's storage capacity. You can view the video on the camera's LCD, transfer it to a computer, or output it to an HD television or monitor.

Sensors vs. Megapixels

A D-SLR's sensor captures and processes the light of an image and converts it to a digital file. The larger and more sensitive the sensor, the better the image, with more accurate colors and less noise. The sensor's resolution, measured in megapixels, also influences the quality of a printed image.

Generally, a 21MP image is of higher quality than an equivalent 10MP image, but keep in mind that megapixels are not the only measure of quality.



Lenses

Some lenses feature built-in optical image stabilization, sometimes called VR or vibration reduction, which reduces the likelihood of blurry images. Lenses are usually classified by focal length:

Lens Type	Use It For	Focal Length
Short-range zoom lens	Everyday shooting	18 to 55mm
Long-range zoom lens	Bringing distant objects closer	70 to 200mm
Wide-angle lens	Panoramic shots	28mm or less

Point-&-Shoot, Compact System, Or D-SLR?

A Great Choice

If you know you want a new digital camera but haven't decided which type, we can help you narrow things down. Here's a brief look at the three major categories of cameras you'll run across.

Point-&-Shoot

Small and compact, a point-and-shoot is extremely portable, so you'll be more likely to have it with you when you need it. This type of camera is designed for snapping quick pics using automatic settings, although many offer manual control, too.

- Designed for snapping quick pics using automatic settings
- Many models also include manual control
- Better flash control than a mobile phone camera

Perfect For: Anyone who wants a camera that's easy to carry in a pocket or purse, and quick to start using.

Compact System

These medium-sized cameras deliver the best features from the point-and-shoot and D-SLR camera categories.

- Interchangeable lenses let you be more creative with photos
- Image sensors are larger than point-and-shoot image sensors, and they can produce better image quality
- Smaller than D-SLR cameras

Perfect For: A photographer who wants D-SLR-like photos from a camera that's not bulky.

D-SLR

Professionals often use digital single-lens reflex cameras, but models with shooting assist menus and auto scene settings make them easy at any experience level.

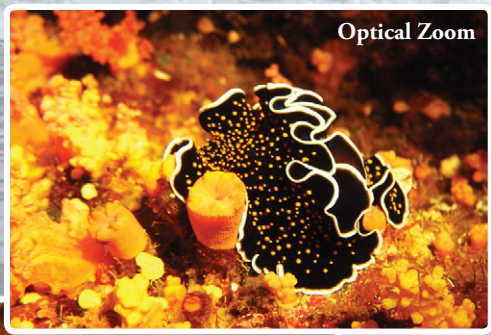
- Generally larger than compact system cameras, these models have the biggest image sensors to create optimal image quality
- Support interchangeable lenses
- Give photographers precise control over their photo results with various settings

Perfect For: Dedicated hobbyists, professional photographers, and serious family shutterbugs.

Zoom & Focal Length

Camera Lenses

The zoom function found on digital cameras and camcorders is closely related to focal length. Here's a look at how these features work together.



Zoom

This means a lens has an adjustable focal length. D-SLR cameras often use a lens with a large range, such as 18-70mm or wide-angle to telephoto. This is roughly 3.9X zoom (70/18 = 3.9). Point-and-shoot cameras don't use the same standardized focal lengths D-SLRs do, so they can't be directly compared. A point-and-shoot's focal length typically starts at equivalent to about 28-35mm. So a point-and-shoot camera with 5X zoom might reach a focal length roughly equal to 135mm or better. There are two types of zooms available:

- **Optical zoom.** This is a true zoom. It relies only on the lens' magnification power.
- **Digital zoom.** This is an augmented optical zoom with a digital enhancement. Digital zoom can degrade image quality, so it's best to base a purchase decision on optical zoom.

Focal Length

This is the distance (in millimeters) from the center of a lens to the camera's image sensor, or more simply, the length of the lens.

- **Wide-angle (below 30mm).** These broaden your field of view and are ideal for landscapes. The shorter the lens, the wider its view is.
- **Standard (30mm-50mm).** These lenses closely match the perspective of your vision. They're good for everyday, candid shots.
- **Telephoto (above 50mm).** These magnify distant objects, and are perfect for capturing faraway subjects, such as wildlife. The longer the lens, the stronger its magnification power.

Pack Small. Shoot BIG.

Olympus

PEN E-PM1

DIGITAL IMAGING

Are you PEN ready? The newest digital camera in Olympus' revolutionary PEN series, the E-PM1 ($499.99; www.olympus.com), combines the superior optics and interchangeable lens capability of a D-SLR with the portability and intuitive controls of a point-and-shoot. This PEN is the smallest, lightest, and most portable of the bunch, and it also offers high-end features, including Full HD movie recording, built-in image stabilization, in-camera art filters, and a 12.3MP image sensor.

Olympus PEN E-PM1 | $499.99 | www.olympus.com

Pick Your Color

The Olympus PEN E-PM1 is available in six different colors. The black model can be found in stores, while the other colors (purple, pink, silver, white, and brown) are available online.

Simplicity

Olympus has designed the PEN E-PM1 to be easy to use. For example, there's a pop-up guide that explains each setting so you can learn how to make photos turn out the way you want them to. The large and bright 3-inch, widescreen LCD is easy to see, letting you make the most of the E-PM1's Live Guide system to preview photo effects before you snap shots. There are 23 Scene-Select modes as well as an iAuto mode that identifies the scene for you, to quickly optimize the camera's settings so you won't miss photo opportunities.

PEN E-PM1 Benefits

- The high-performance 12.3MP image sensor, the same size sensor you'll find in Olympus DSLRs, provides professional photo results
- Interchangeable M.Zuiko lenses, Full HD Movie and six in-camera art filters give you creative freedom to capture photos and movies with new and interesting perspectives
- Travel anywhere with a professional-grade camera that's more compact and lightweight, yet has more high-tech features than many bulkier cameras
- Never miss a shot with the E-PM1's blazing autofocus speed
- Capture sharp images even in low-light scenes with the E-PM1's AF Illuminator and attachable flash

Preserve Keepsakes For Generations

Protect Memories

All it takes is a hard drive crash, and the digital memories you didn't back up are lost forever. To protect your digital photos and videos for generations to come, consider these options.

External Hard Drives

After making a copy of your media collection, the duplicate should be stored in a different location than your computer's hard drive. External hard drives let you easily store your photos and videos in a separate place. And because these drives are portable, you can keep images in safe places, such as a safety deposit box or friend's home, ensuring they remain protected.

Online Photo Services

Online photo services are an inexpensive way to share and store multiple images and videos on the Internet for little or no cost. These sites often provide editing tools and the option to order professional prints or turn them into memorabilia, such as photo books or slideshow DVDs.

Media Software

With media management software, time-consuming backups can automatically be done for you. These programs can organize and archive your files on a variety of media, such as external hard drives, BDs, DVDs, or CDs. If you would like to put finishing touches on your media, look for a program that also includes photo and video editing capabilities plus sharing options, such as Roxio Creator 2012 on page 50.

Shoot. Save. Share.

Eye-Fi Wireless MEMORY CARDS

DIGITAL IMAGING

The holidays are filled with picture-perfect moments that you want to capture and share. While capturing is the fun part, downloading your photos can be a chore. But with an Eye-Fi wireless memory card (www.eye.fi), you can let the card do all the work.

How It Works

An Eye-Fi wireless memory card saves the images you capture with your camera. But unlike other memory cards, with the press of a button an Eye-Fi card can:

- Wirelessly upload full-resolution photos and videos to your computer, tablet, or smartphone
- Automatically save and organize your photos in date-based folders on your computer
- Effortlessly share media on Web sites such as Facebook, Shutterfly, YouTube, and more

Photo Access Without Limits

Anyone with an Eye-Fi card can also take advantage of **Eye-Fi Premium** ($49.99 per year), a cloud storage service that offers unlimited storage for photos and videos.

You can also view, download, and share your cherished memories wherever you have Internet access because your media is backed up online. For a limited time, if you purchase an Eye-Fi card at Best Buy you'll receive a free two-month trial of Eye-Fi Premium.

Eye-Fi Premium makes sharing your favorite shots with friends and family easy. Simply choose the files you want to share, and email a private Web link to let loved ones view or download your media in full resolution. You also have the option of sharing your files via your favorite sharing Web site.

Essential Things To Know

Durable Cameras

A durable camera is made to withstand life's most exciting moments. Because most are waterproof, shockproof, dustproof, and freezeproof, they can go where other cameras can't, or remain safe in the hands of little ones.

Olympus TG-810
SKU: 2207032
$399.99

Fujifilm XP 20
SKU: 2031059
$179.99

Are there any limitations of durable cameras?

Most durable cameras have little optical zoom, such as 4X or 5X, because the lens can't extend outward from the front of the camera.

Are durable cameras only for athletic and outdoor users?

Not at all. They're ideal for sports, hiking, and so on, but parents can benefit from them because they're more kid-proof than ordinary digital cameras. For instance, they can withstand sticky hands and beverage spills, drops (accidental and otherwise), as well as being forgotten outdoors overnight.

Does "waterproof" mean what it says?

Actually, a camera that says it's "waterproof" always has a depth limit, such as 10 feet underwater. Below the limit, pressure can force water into the camera.

What does "shockproof" and "crushproof" mean?

A shockproof camera—actually shock-resistant—camera can survive a drop of a certain number of feet on a hard surface. If a camera is crushproof, its body can withstand so many pounds of external pressure.

Why would I want a dustproof camera?

In ordinary electronic devices, dust can wear on parts and trap heat, causing premature failure. A camera with sealed compartments, seams, and ports can survive dusty conditions.

Why would I need a freezeproof camera?

A freezeproof camera is ideal for winter sports such as snow skiing. A durable camera's impact and moisture resistance would also come in handy during similar activities.

Capture Life's Moments With

A Point-&-Shoot

If you're a little confused about the most important features in a digital camera, you're not alone. In this chart, we compare features from select digital cameras, and we also explain what these features mean.

		Resolution; Optical zoom	Shutter speed	Memory card	LCD size	ISO	Video resolution	Coolest features
	What It Means	More pixels create larger prints you can crop; Moves the lens closer to your subject	A faster shutter speed will let you snap action photos without blur	Removable card that stores your photos in your camera	The LCD is the screen on the back of the camera	A higher ISO lets you take better photos in low-light settings	The level of detail that's captured when you shoot video	What sets this camera model apart from other cameras
	Canon PowerShot ELPH 310 HS MSRP: $259.99* SKU 3301753 See p. 20	12.1MP, 8X	1 to 1/2,000 second	SD/SDHC/ SDXC	3 inches	Auto; Manual: 100 to 3200	1080p	28mm wide-angle lens; ultra-slim design; Movie Digest mode
	Samsung MV800 MSRP: $279.99* SKU 3124037	16.1MP; 5X	1 to 1/2,000 second	microSD	3 inches	Auto; Manual: 80 to 3200	720p	180-degree rotating touch-screen; 3D photo support; Pose Guide
	Sony Cyber-shot DSC-TX10 MSRP: $299.99* SKU 2424392	16.2MP; 4X	1 to 1/1,600 second	Memory Stick Duo/ SD/SDHC/ SDXC	3 inches	Auto; Manual: 125 to 3200	1080i	Certified water-proof; 3D still image and Sweep Panorama; touchscreen
	Fujifilm FinePix F500EXR MSRP: $299.99* SKU 2634148	16MP; 15X	1/4 to 1/2,000 second	SD/SDHC/ SDXC	3 inches	Auto; Manual: 100 to 12800	1080p	Back Side Illuminated EXR CMOS; motion panorama 360
	Nikon Coolpix S8200 MSRP: $329.95* SKU 3176493	16.1MP; 14X	1 to 1/1,600 second	SD/SDHC/ SDXC	3 inches	Auto; Manual: 100 to 3200	1080p	Advanced autofocus; smile timer; lens-shift VR image stabilization
	Panasonic Lumix DMC-ZS10 MSRP: $349.99* SKU 2507463	14.1MP; 16X	60 to 1/4,000 seconds	SD/SDHC/ SDXC	3 inches	Auto; Manual: 100 to 6400	1080i	GPS image tagging; touch-screen; ultra-wide-angle lens
	Olympus TOUGH TG810 MSRP: $399.99* SKU 2424161	14MP; 5X	1/4 to 1/2,000 second	SD/SDHC/ SDXC	3 inches	Auto; Manual: 80 to 1600	720p	Waterproof and shockproof; 3D photo support; GPS
	Olympus XZ-1 MSRP: $499.99* SKU 2424301	10MP; 4X	60 to 1/2,000 seconds	SD/SDHC/ SDXC	3 inches	Auto; Manual: 100 to 6400	720p	OLED monitor; accessory port for mic; viewfinder; and light add-ons

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Snap Professional-Looking Images With A

D-SLR Or CS Camera

D-SLR prices keep falling and more CS (compact system) cameras are becoming available, so photographers are turning to them, both as a first camera and as a trade-up to something better. Check out the features and performance specs below of select cameras.

		Resolution	LCD size	ISO range	Kit lens	Burst speed	Shutter speed
	What It Means	Image sensor in megapixels; more means a bigger image	Diagonal measurement of the screen on the back of the camera	A higher ISO range will let you take better photos in low-light situations	Standard lens bundled with the camera body	Frames per second (fps) you can shoot while in burst mode	The wider the range, the greater the gamut of long exposures to frozen action
Compact System Cameras	**Panasonic Lumix GF2** MSRP: $599.95* SKU 2176035	12.1MP	3 inches	100 to 6400	14-42mm	3.2fps	60 to 1/4,000 seconds
Compact System Cameras	**Nikon-1 J1** MSRP: $649.95* SKU 3638105	10.1MP	3 inches	100 to 6400	10-30mm	10fps	30 to 1/6,000 seconds
Compact System Cameras	**Olympus PEN EPM-1** MSRP: $499.99* SKU 3560265 See p. 27	12.3MP	3 inches	200 to 12800	14-42mm	N/A	60 to 1/4,000 seconds
D-SLR Cameras	**Nikon D3100** MSRP: $699.95* SKU 1222817	14.2MP	3 inches	100 to 12800	18-55mm	3fps	30 to 1/4,000 seconds
D-SLR Cameras	**Sony Alpha A580** MSRP: $799.99* SKU 2389298	16.2MP	3 inches	100 to 12800	N/A (body only)	7fps	30 to 1/4,000 seconds
D-SLR Cameras	**Canon EOS Rebel T3i** MSRP: $899.99* SKU 1980124	18MP	3 inches	100 to 6400	18-55mm	3.7fps	30 to 1/4,000 seconds
D-SLR Cameras	**Pentax K-5** MSRP: $1,349.95* SKU 3035043	16.3MP	3 inches	80 to 51200	18-55mm	7fps	30 to 1/8,000 seconds
D-SLR Cameras	**Canon EOS 5D Mark II** MSRP: $2,499* SKU 9152454	21.1MP	3 inches	100 to 6400	N/A (body only)	3.9fps	30 to 1/8,000 seconds

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Match Your Lifestyle To An

HD Camcorder

HD camcorders are available with hard drive or flash drive recording formats. No matter which you choose, you'll capture memories with vivid color and true-to-life detail. To find the model that best fits your needs, consider the differences between the selections below.

		LCD size	Optical zoom; Digital zoom	Image sensor size	Memory card	Digital still resolution	Coolest features
	What It Means	Diagonal length of viewing screen	Two methods for magnifying depth of field; optical zoom is better	Sensors convert light into electrical signals; bigger is better for image quality	Compatible flash card types (cards not included unless noted)	The number of megapixels the camcorder can capture in still images	What sets this camcorder model apart from other camcorders
Flash Drive	**Samsung HMX-Q10** MSRP: $299.99* SKU 2022343	2.7 inches	10X; 20X	1/4 inch	SD/SDHC	4.9MP	Easy one-touch operation eliminates the learning curve
Flash Drive	**Samsung HMX-H300** MSRP: $399.99* SKU 2052403	3 inches	30X; 300X	1/4 inch	SD/SDHC	4.9MP	The OIS Duo feature offers reliable digital image stabilization
Flash Drive	**Sony HDR-CX130** MSRP: $449.99* SKU 2155181	3 inches	30X; 350X	1/4 inch	SD/SDHC/ SDXC/Memory Stick PRO Duo	3.3MP	Superior low-light performance via an Exmor R CMOS sensor
Flash Drive	**Canon VIXIA HF R21** MSRP: $449.99* SKU 2088317	3 inches	20X; 400X	1/4.85 inch	SD/SDHC/ SDXC	2.41MP	3-inch touch-screen control allows for easy navigation
Flash Drive	**Panasonic HDC-TM90K** MSRP: $599.99* SKU 2051186	3 inches	21X; 60X	1/4.1 inch	SD/SDHC/ SDXC	5MP	28mm wide-angle shooting fits more into your recording
Flash Drive	**Canon VIXIA HF M40** MSRP: $599.99* SKU 2088371	3 inches	10X; 200X	1/3 inch	SD/SDHC/ SDXC	2.07MP	Features Canon's own dynamic SuperRange optical image stabilization
Flash Drive	**Sony Handycam HDR-PJ10** MSRP: $699.99* SKU 2155084	3 inches	30X; 350X	1/4 inch	SD/SDHC/ SDXC/Memory Stick PRO Duo	3.3MP	Built-in high-contrast projector lets you share your video anytime and anywhere
Flash Drive	**Sony HDR-CX560V** MSRP: $1,099.99* SKU 2154085	3 inches	10X; 120X	1/2.88 inch	SD/SDHC/ SDXC/Memory Stick PRO Duo	12.3MP	Full 1,920 x 1,080 HD recording with superior still image capture abilities

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Essential

Accessories

For all the time we spend mulling over which camera we want to buy, we should spend an equal amount of time considering the accessories we need to go with them.

Extra Batteries

Continue to capture special moments, such as your son's baseball game or baby's first steps with a spare battery on hand. Recharging the battery may be convenient, but not when you're short on time. That's why it's a good idea to have a fully charged backup battery so you don't miss any action.

Cases

To get the most out of any camera, you need a case that offers the best in screen protection, comfort, durability, and accessibility. Features can include impact- and water-resistance, soft interior linings, and pockets to keep a spare battery or memory card on hand.

Tripods

Can any of us really say that we can hold a camera as steadily as we'd like to? Probably not. A tripod solves this issue, as its sturdy enough to hold the weight of your camera and comes equipped with a three-way pan/tilt head that lets you fluidly follow subjects. It's also a perfect companion for those times you want a static, steady shot.

Memory Cards

Not all memory cards are created equal; the differences in capacity, read/write speed, and class all have a bearing on what they can do and, therefore, which one you'll want for your particular device and needs.

Speed ratings. Expressed in MBps (megabytes per second), this tells you a card's maximum read/write speed. The higher the number, the better. A card's speed affects several performance factors, including shot-to-shot lag and how quickly you can transfer files on the card to a computer.

Class. This is the minimum sustained read/write speed of SD and SDHC cards. Different cards with the same class rating may have higher or lower maximum speed ratings than one another, but their minimum speeds should be the same. Currently, memory cards come in Class 2 (2MBps), 4 (4MBps), 6 (6MBps), and 10 (10MBps).

Capacity. This is a key consideration for anyone shooting in HD or 3D. While this will require a Class 10 card for the best possible performance, the card should also offer a substantial amount of storage capacity. Otherwise, you'll be faced with swapping in fresh cards every few minutes because you've quickly filled the previous cards.

Digital Imaging
GLOSSARY

Wondering what all of that lingo on camera boxes means? Use this glossary to help decode the world of digital imaging.

aperture—An iris-like diaphragm opening that can expand and contract the lens to let you control the amount of light that passes through it, thus affecting the exposure. The term "f-stop" can be used interchangeably with aperture.

burst mode—A camera mode that will let you capture several shots consecutively after pressing the shutter only one time.

CCD—A charge-coupled device is a type of image-sensing component. It converts light into energy that can be stored as digital data on your camera.

depth of field—The area that is in focus in front of and beyond the subject of your photo.

digital zoom—Magnifies an image digitally by cropping it and filling in the rest with interpolated pixels, thus degrading the quality. Even if the numbers are impressive, never choose a camera based on digital zoom.

f-stop—See aperture. Smaller f-stop numbers mean a wider lens opening; larger f-stop numbers mean a narrower lens opening.

ISO—For digital cameras, the ISO setting measures the sensitivity to light (similar to how it does with film). Digital camera ISO settings, such as 200, 400, and up, should capture photos as if one were using film with such a speed. Lower ISO settings mean you need more light and vice versa.

LCD—The screen on the back of the camera that lets you see a live-action view of your subject or your photo after you've taken it.

lens—The apparatus on the front of the camera that gathers and directs light toward the image sensor. In a digital camera, the lens likely has both an optical and digital zoom.

megapixel—Approximately 1 million pixels. The higher the megapixel count, the higher the resolution and the more you can crop, which means you can create larger prints with better quality.

memory card—Because digital cameras have very little onboard memory, they need flash memory cards to store more than a dozen or so images. The type of memory card you need depends on the make and model of your camera. Some of the most popular memory cards are Secure Digital, MultiMedia Card, Compact Flash, and Sony Memory Sticks. In general, memory cards are quite small.

noise—The small statistical variations among pixels that lead to (usually) minor distortions of color in a photo.

optical zoom—The camera's mechanical ability to move the lens physically closer to your subject. With optical zoom, the higher the number (such as 5X or 10X), the better. When choosing a camera, always consider the optical zoom, not the digital zoom. Digital zoom artificially adds pixels.

resolution—The number of pixels in an image. The higher the resolution, the more detail and quality in a photo. Resolution is measured in a proportion (such as 2,272 x 1,704).

shutter—A mechanism that opens and closes to allow light to pass through the lens. You can usually control the camera's shutter speed.

shutter speed—The length of time a camera's shutter is open to let light through the lens and hit the sensor, which records the image. This is expressed in fractions of a second: For instance, a shutter speed of 1/250 means that the shutter is open for 1/250th of a second.

viewfinder—The small opening in the camera that the user looks through to frame a shot. Some digital cameras don't have a viewfinder and only use a camera's LCD to frame the shot.

white balance—Light levels are adjusted electronically to ensure whites in a certain environment are pure, leading to more life-like colors. White balance can usually be manually adjusted, too.

Intel 2nd Gen Core Processors

Get More WITH CORE

When you get an Intel 2nd Generation Core-based computer, you're not just getting abundant processing power and great HD visuals. You get more capabilities than other PCs, thanks to the additional features on most laptops, including free 4G, the ability to wirelessly connect your laptop to your HDTV, built-in protection if your device is lost or stolen, apps that let you customize your computer, and more.

Intel 4G WiMAX

What it is. 4G wireless mobile broadband that's built into most Intel 2nd Gen Core-based laptops. Try it for free with Best Buy Connect's 100MB monthly no-contract plan.

Picture it. You decide to grab a cup of joe at the coffee shop and take your new PC for a spin, only to find out the café's Wi-Fi isn't working. But it's no big deal, because your Intel Core-based laptop can connect to the Internet via Intel 4G WiMAX. Check the included chart for availability of compatible laptops.

Intel Anti-Theft Technology

What it is. Available on Best Buy Blue Label notebooks, including the Sony VAIO VPCSC1AFM/S (SKU: 2281533) and Toshiba Satellite E305 (SKU: 1853204), PC Theft Defense will render your laptop inoperable in the event it becomes lost or stolen. Once it's recovered, you can fully restore your computer with a password or single-use token

Picture it. You finish your latte and head to work, but then you realize you forgot your laptop. While the thought of someone getting their hands on your computer and information is worrisome, you know that Intel's Anti-Theft Defense, will work in your favor. Simply deliver a "poison pill" to your system, and it will become an inoperable brick.

Intel 2nd Generation Core Processor Notebooks*

	4G WiMAX	Intel Wireless Display
Asus G74SX-BBK8	✔	
Asus U46E-BAL6	✔	✔
Asus U56E-BBL6	✔	✔
Dell I15RN-5882DBK	✔	
Dell I17RN-3530DBK	✔	
HP dm4-2165dx		✔
HP dv7-6b55dx	✔	✔
Lenovo V570- 066AJU	✔	✔
Samsung NP300E5A-A01UB		✔
Samsung NP700Z5B-W01UB	✔	✔
Samsung QX411-W01	✔	✔
Sony VPCEG27FM	✔	✔
Sony VPCF236FM	✔	✔
Sony VPCEH25FM		✔
Toshiba P745-S4320	✔	✔
Toshiba P755-S5320		✔
Toshiba P775-S7320	✔	✔

*Check with an associate to see which models are currently available.

Intel Wireless Display

What it is. With the push of a button and the Netgear Push2TV adapter, send the content playing on your laptop to an HDTV.

Picture it. You invite the family over to watch the video highlights you edited from your Hawaiian vacation. Rather than have everyone squeeze together to view the show on your laptop, you can use Intel Wireless Display technology to throw the content to your HDTV. Check the included chart for availability.

Intel AppUp center

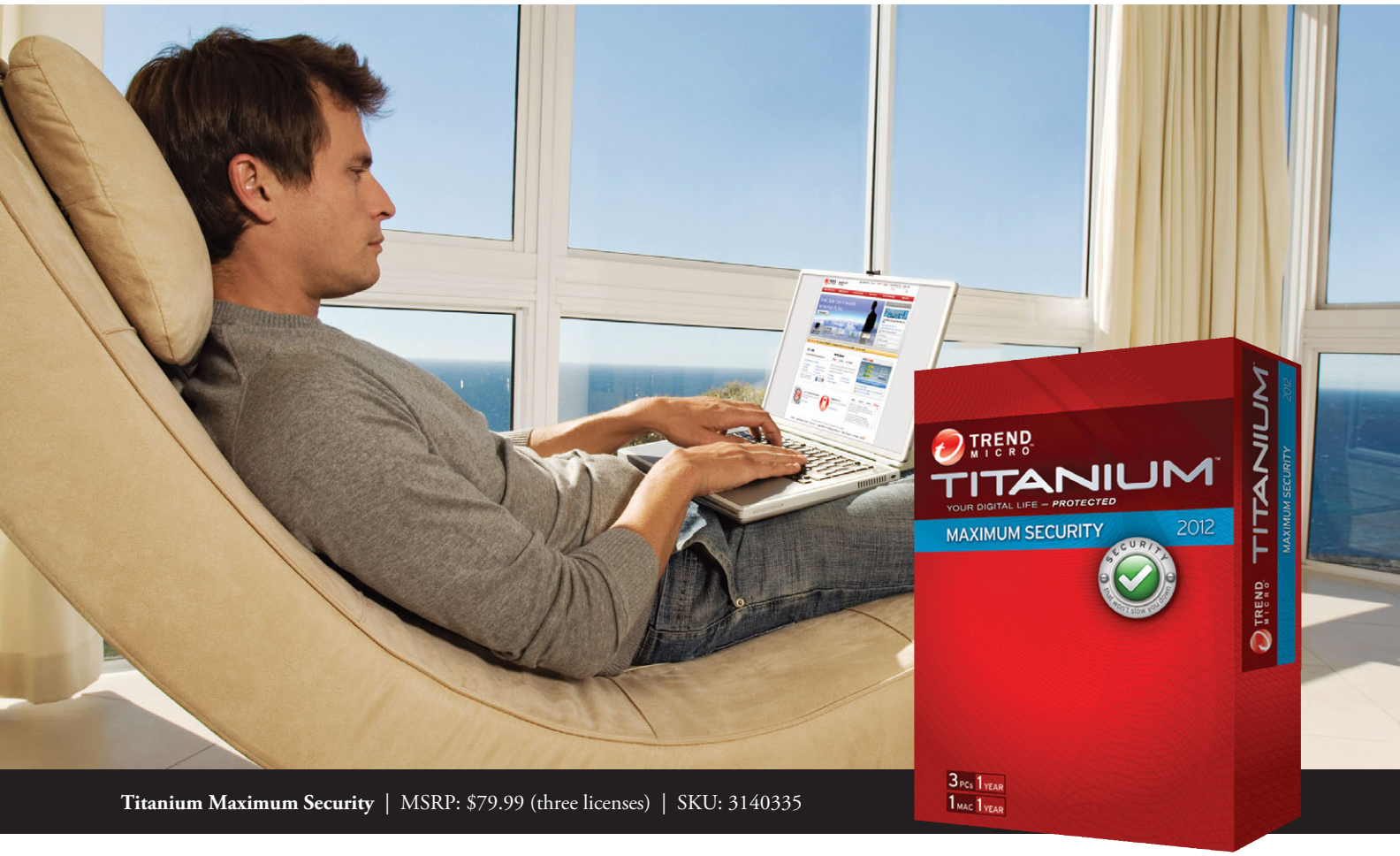
What it is. Just like an app store for your phone, this large selection of popular apps can be downloaded to customize your computer.

Picture it. When it's time to relax and have fun, you can scour the Intel AppUp center for the newest or most popular apps. Available on all Intel-based systems, you can download apps for games, such as the megahit Angry Birds; productivity; photos and video; finance; entertainment; and more, you'll be able to make the most of your computer. You can also try an app for 24 hours before committing to a purchase.

Lighten Your Security Load

Trend Micro's

TITANIUM SOFTWARE OFFERINGS



Titanium Maximum Security | MSRP: $79.99 (three licenses) | SKU: 3140335

Light On Your PC

Trend Micro's Titanium products use half the disk space and memory of other security products and are light on system resources, so your PC runs faster.

Easy To Use

To help you better understand security dangers, all of Trend Micro's Titanium software programs provide one-click access to logs that show you the types of malware that have attempted to access your PC and how often. In addition to reports, you'll be able to quickly access software features and settings via a revamped dashboard.

Cloud Technology

All three Titanium security software titles take advantage of Trend Micro's Smart Protection Network, which delivers virus signatures and definitions in real time, so your PC will automatically be up-to-date with protection against new viruses, spyware, Trojans, and other types of malware.

Trend Micro's Titanium features are available in Antivirus+ ($39.95 for one year on one PC), Internet Security ($69.95 for one year on three PCs), and Maximum Security ($79.95 for one year on three PCs) versions. Here, we'll examine the differences among them.	**Titanium Antivirus+** MSRP: $39.99 (one license) SKU: 1063041	**Titanium Internet Security** MSRP: $69.99 (three licenses) SKU: 3140362	**Titanium Maximum Security** MSRP: $79.99 (three licenses) SKU: 3140335
Real-time updates to safeguard you from current and future online threats	✔	✔	✔
Low resource consumption, so your system runs faster	✔	✔	✔
Easy to use with simple menus and graphical reports	✔	✔	✔
Fake AV Cleaner eliminates malware posing as anti-virus software	✔	✔	✔
Easy UI Skinning customizes your Titanium with a favorite photo or image	✔	✔	✔
Includes Trend Smart Surfing for Mac; see store for details	✔		
Effective spam blocking tools		✔	✔
Customizable parental controls		✔	✔
Secure online shopping and banking with transaction and data theft prevention		✔	✔
Secure Erase shreds sensitive files			✔
System Tuner cleans up temporary files, registries, and start-up manager for a faster PC			✔
Remotely secure confidential files in the event of theft			✔
10GB secure online backup with Sync and Sharing features			✔
Social Networking Security scans your profile and identifies malicious links so you won't click them			✔

Mobile Security Personal Edition

Protect your tablet. With the combination of anti-virus and anti-spyware, Trend Micro Mobile Security protects your personal data from viruses and spam when you're connecting to an unfamiliar hotspot. And if your tablet is lost or stolen, you can send a remote message to wipe sensitive information from your device.

Perform automatic and manual scanning. Let TMMS perform an automatic, real-time malware scan, or initiate a manual scan.

Customize parental controls. Secure logs and parental control settings with a security password to help your kids stay safe on the Web.

Live A Multi-Computer Lifestyle

Bundled Benefits

The multi-computer lifestyle revolves around using a desktop, laptop, and tablet separately or together to complete different tasks depending on the situation. The key is understanding the strengths of each device and how they can be used to complete different tasks.

All-In-One Desktops

These space-saving computers combine a monitor and tower into a single unit, giving you more flexibility in where you can place it. Many models have integrated Wi-Fi, so you can access the Web without being tethered to an Ethernet cable. And with a touchscreen, you can open files, edit photos, select music, and more by interacting with the desktop's screen.

Laptops

Perfect for those who are on the go, laptops are a compact alternative to desktop computers. Students can work on projects anywhere on campus and businesspeople can stay productive when they're on the road. Laptops range from basic models intended for word processing and Web browsing to advanced models that can handle high-end gaming and video editing.

Tablets

The portability and diversity of tablets make them not only helpful, but fun to use as well. Most computer tablets offer office suites and Web browsers, and they can be customized to perform a variety of tasks or provide entertainment with app downloads. Videos, music, documents, emails, and much more can be easily accessed when you're on the go, most of the time using a touchscreen.

Bring Them Together. Take notes using a tablet during a business meeting and upload them to the cloud. Access those notes from your All-In-One desktop computer or laptop and reference them for a sales report. Use a streaming service on your tablet to watch a TV show on your subway commute. On your lunch break, pick up from where you left off after you pay some electronic bills on your laptop. Find a pumpkin pie recipe on an All-In-One desktop computer in your kitchen. Once the pie is done, snap a quick "before" photo with your tablet and share it on a social networking Web site.

lenovo. FOR THOSE WHO DO.

Lenovo IdeaPad U400 & V570

A Bold Statement

If you're looking for a laptop that's both stylish and powerful, Lenovo has you covered with the IdeaPad U400 and the V570. The U400 has a thin, book-shaped design, while the V570 packs performance, entertainment, and security features all in an attractive frame.

COMPUTERS & TABLETS

Lenovo IdeaPad U400

MSRP: $949.99 | SKU: N/A

With its slim, lightweight, full-aluminum shell, slot-load DVD drive and breathable AccuType keyboard, the U400 will get you noticed. Other features include:

- Thin, unique book-shaped design that's less than 1-inch thick and weighs only 4.5 pounds
- 14-inch HD LED widescreen display; slim, slot-load DVD/RW
- 2nd Generation Intel Core i5-2430M Processor with Intel Turbo Boost Technology 2.0
- 750GB hard drive for storing all of your music, videos, documents, and applications
- Up to six hours of battery life so you can stay productive

Lenovo IdeaPad V570

MSRP: $729.99 | SKU: 3504409

The V570 is a stylish entertainment powerhouse with a 15.6-inch LED display, built in WiDi capabilities and WiMAX ready for wireless broadband on the go. It also has:

- 2nd Generation Intel Core Core i5-2430M processor with Intel Turbo Boost Technology
- 6GB of memory for fast multitasking and a 750GB hard drive for media files and more
- DVD/RW drive and HDMI for connecting to other HD devices
- Intel Wireless Display support so you can wirelessly stream media being played on your laptop to an HDTV
- Fingerprint reader for easy, secure login

Make Your Own Wi-Fi

Personal Hotspots

Unfortunately, Wi-Fi access isn't always there when you need it, but there are other ways to access the Internet when you're on the go. With a personal hotspot, you can remain connected anywhere.

Samsung 4G LTE Mobile Hotspot
SKU: 2035347
$49.99 with a 2-year contract agreement

Mobile Broadband To Wi-Fi

Personal hotspots receive the cellular signals of high-speed mobile broadband, such as 3G and 4G, and convert them into portable Wi-Fi. So, instead of searching for the nearest coffee shop with Wi-Fi, you can turn on your personal hotspot to create a Wi-Fi network, enter your network ID and password, and connect to the Web.

Connect Multiple Devices

If you want to share Web access with others when you're on the go, some personal hotspots can support multiple devices at the same time. For instance, students working on a group project can search the Internet, share files, or access email using a personal hotspot anywhere on campus.

The Web Where You Want It

Your Web opportunities are endless with a personal hotspot. In the car, your son can game online with his portable gaming system during a long road trip. At a tradeshow, your private network can be used to send sensitive data back to the home office. And with an internal battery life that typically lasts up to four hours, you're not limited by where you can take it.

By pairing a personal hotspot with a tablet, you can easily stay connected without sacrificing portability. Check out page 47 to learn more.

Practical Reasons For A Tablet

For Your Benefit

While not meant to serve as a replacement for desktop or laptop computers, a tablet is a helpful companion in many ways. Here we take a look at how a tablet can benefit your everyday life.

Convenience

The integrated Wi-Fi and 3G/4G connectivity tablets provide lets you access photos, music, videos, documents, email, and other cloud-stored data with a wireless connection. Other integrated features, such as a Web cam and GPS capabilities, provide further convenience.

OS

Generally, tablets and smartphones from the same manufacturer share very similar OSes, making the adjustment to using a tablet fairly quick and manageable. Elsewhere, OS support for multitasking enables you to switch between and use more than one app at the same time.

Size

A tablet's thinness and light weight make it the perfect traveling companion. Svelte enough to slip in a purse or carry from room to room, tablets still offer screens large enough to make them ideal for enjoying media.

Speed

A tremendous tablet benefit is the near-instant speed at which it boots up and is ready to use. This allows you to access or share information as quickly as possible so you can keep moving through your day.

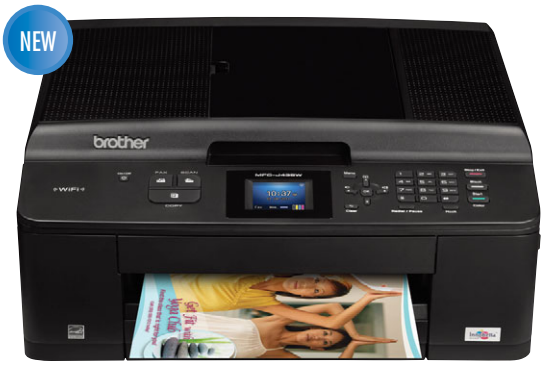
A tablet is the perfect addition to a desktop or laptop computer. Flip to page 40 to learn why.

Brother MFC-J435w & MFC-J835dw

All-In-One Inkjets

FOR SMALL OR HOME OFFICE

Exclusively at Best Buy, the latest compact, stylish and easy-to-use inkjet Brother all-in-one printers (www.brother.com) will meet your small or home office printing needs. Both the MFC-J435w ($99.99) and MFC-J835dw ($149.99) are wireless and four-in-one machines that can print, copy, scan, and fax among other capabilities.



MFC-J435w

$99.99 | SKU: 2877498

- Easy to set up and wireless network ready
- The auto document feeder will conveniently allow you to fax, copy, and scan up to 20 pages without requiring your attention
- 1.9" color LCD display for easy menu navigation
- Prints up to 33ppm (black) / 26ppm (color) in fast mode. Up to 10ppm (black) / 8ppm color using ISO standard (ISO/IEC 24734)
- Four cartridge ink system allows you to easily replace the cartridge that needs to be replaced

MFC-J835dw

$149.99 | SKU: 2877513

All of the features of the MFC-J435w, plus:

- Easily integrates both wireless and wired networking which allows sharing of multiple PCs on a network
- Create two-sided documents with duplex printing
- Edit and enhance images with the 3.3" TouchScreen color LCD display
- Prints up to 35ppm (black) / 27ppm (color) in fast mode. Up to 12ppm (black) / 10ppm (color) using ISO standard (ISO/IEC 24734)
- Directly print on blank CDs, DVDs, and Blu-ray Discs

Web Connect TouchScreen Capabilities For MFC-J835dw

Picasa	Picasa	Upload	JPEG files
		Download	JPEG files
	Facebook	Upload	JPEG files
flickr	Flickr	Upload	JPEG files
		Download	JPEG files
Google Docs	Google Docs	Upload	PDF files

Essential Things To Know

AIO Computers

An all-in-one computer combines a computer monitor and tower into a single unit that saves space on your desktop and offers built-in extras such as Wi-Fi, a Web cam, and a touchscreen interface.

What is an AIO (All-In-One) computer?

Simply put, an AIO is a monitor and computer tower combined into a single unit. AIOs are popular for their space-saving design and many offer easy-to-use touchscreen interfaces.

What are the advantages of an AIO?

AIOs give you quick and convenient access to the Web and apps because they often feature large, high-resolution displays. Many are touchscreen models, so you don't need to use a mouse or keyboard.

Can I upgrade an AIO?

Because they are based on notebook components, AIO upgrades are limited to the same upgrades as notebooks, such as more system memory and larger storage drives.

Who is the ideal AIO user?

Anyone who wants an easy-to-use system with integrated Wi-Fi for general tasks would enjoy an AIO. AIOs excel at entertainment, document creation, Web surfing, online shopping, email, video chat, and more.

What unique features do AIOs have?

Most AIOs feature a front-facing Web cam, so you can video chat. Many AIOs also feature built-in TV tuners, which let you connect a source to record, pause, and rewind live TV. Integrated speakers and Wi-Fi let you cut even more of the cable clutter.

What kinds of connections do AIOs support?

AIOs typically feature several connectivity ports, such as USB, audio output, audio input, Ethernet, and a memory card reader. A few AIOs even offer additional port types, including FireWire, VGA, HDMI, or DVI.

Take Your Work & Media With You On A

Laptop

A laptop computer is a pretty big purchase for most people, and there are many options to choose from. To help you find a model with the features and specs you need, here's a comparison of what the latest laptops have to offer.

		Operating system	Processor	Hard drive size; RAM	Graphics Card	Dimensions; Weight	Optical drives; Media card reader
	What It Means	The sofware (usually Windows or Mac OS X) that controls your computer	Chip that controls the computer (typically, a bigger number is better)	How much data the computer can hold; Memory that's read and written to	Controls the quality of your video and images	Height x width x depth; How much the laptop weighs; Screen size	Drives that can read and write discs; Slots that read media cards without a separate peripheral
	Gateway NV55C49u MSRP: $399.99* SKU 2804985	Windows 7 Home Premium	2.4GHz Intel Core i3	320GB; 3GB	Intel HD	1.34x15x10 inches; 5.73 pounds; 15.6 inches	DVD±RW/CD-RW; Yes
	Toshiba Satellite L755D-S5218 MSRP: $449.99* SKU 2971032	Windows 7 Home Premium	2.3GHz AMD A-Series	320GB; 4GB	AMD Radeon HD 6520G	1.5x15x9.8 inches; 5.5 pounds; 15.6 inches	DVD±RW/CD-RW; Yes
	HP Pavilion DV4-4140US MSRP: $649.99* SKU 3568982	Windows 7 Home Premium	2.2GHz Intel 2nd Gen Core i3	640GB; 4GB	Intel HD	1.4x13.4x9.3 inches; 5 pounds; 14 inches	DVD±RW/CD-RW; Yes
	Lenovo V570-1066AJU MSRP: $729.99* SKU 3504409 See p. 41	Windows 7 Home Premium	2.7GHz Intel 2nd Gen Core i7 with Turbo Boost up to 3.4GHz	2.7GHz Intel 2nd Gen Core i7 with Turbo Boost up to 3.4GHz	NVIDIA GeForce GT 525M	1x15.2x10.2 inches; 5.7 pounds; 15.6 inches	Double-layer DVD±RW/CD-RW; Yes
	Samsung QX-411-W01 MSRP: $799.99* SKU 2776251	Windows 7 Home Premium	Intel Core i5	750GB; 6GB	NVIDIA N12P-GV	1.1x13.6x9.7 inches; 5.1 pounds; 14 inches	Double-layer DVD±RW/CD-RW; Yes
	Lenovo IdeaPad U400 MSRP: $949.99* SKU N/A See p. 41	Windows 7 Home Premium	2nd Gen 2.4GHz Intel Core i5	750GB; Up to 8GB	ATI Radeon HD 6470M	0.8x8.9x13 inches; 4.36 pounds; 14inches	DVD±RW/CD-RW; N/A
	Sony VAIO VPCF232FX/B MSRP: $1,149.99* SKU 3641453	Windows 7 Home Premium	2.2GHz Intel 2nd Gen Core i7 with Turbo Boost up to 3.16GHz	500GB; 4GB	NVIDIA GeForce GT 520M	1.7x15.7x10.7 inches; 6.9 pounds; 16.4 inches	DVD±RW/ Blu-ray Disc/ CD-RW; Yes
	Dell XPS X17L-2777ELS MSRP: $1,499.99* SKU 2817264	Windows 7 Home Premium	2.4GHz Intel 2nd Gen Core i5 with Turbo Boost up to 3.0GHz	750GB; 6GB	Intel HD	1.3x14.9x9.9 inches; 5.3 pounds; 15.6 inches	Double-layer DVD±RW/CD-RW; Yes

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Always Keep Content On Hand With A

Tablet Or eReader

By pairing your laptop with a tablet, you'll be able to simplify your computing tasks. eReaders, on the other hand, give you instant access to the latest books and more. To find a tablet or eReader that best fits your digital lifestyle, here's a comparison of the latest models.

		Platform	Internal storage	Connectivity	Battery life	Dimensions; Weight	Ports; Media card reader
	What It Means	The software that controls a tablet	How much data the tablet can hold	How the tablet can connect to the Web (Wi-Fi, 3G, or both)	How long the battery will last when the tablet is being used	Height x width x depth; Screen size; How much the tablet weighs	Sockets that give a tablet access to peripherals; Slots that can read media cards
Tablets	**Acer Iconia** MSRP: $399.99* SKU 2512059	Android Honeycomb	16GB	Wi-Fi	8 hours	10.2x7x0.5; 10.1 inches; 16.5 ounces	1 USB 2.0, 1 HDMI; 1 SD
Tablets	**Asus Eee Transformer**† MSRP: $399.99*; $469.99* SKUs 2475916; 2475112	Android Honeycomb	16GB; 32GB	Wi-Fi	9.5 hours	10.7x6.7x0.5 inches; 10.1 inches; 24 ounces	1 headphone, 1 mini HDMI; microSD
Tablets	**BlackBerry PlayBook** MSRPs: $499*; $599*; $699* SKUs 2265381; 2387032; 2387041	RIM	16GB; 32GB; 64GB	Wi-Fi	8 hours	7.6x5.1x0.4 inches; 7 inches; 14.4 ounces	1 mini USB, 1 micro HDMI; N/A
Tablets	**Sony Tablet S** MSRPs: $499.99*; $599.99* SKUs 3478046; 3478037	Android Honeycomb	16GB; 32GB	Wi-Fi	8 hours	9.5x6.8x0.3 inches; 9.4 inches; 21 ounces	1 headphone, 1 microUSB; 1 SD
Tablets	**Toshiba Thrive** MSRPs: $379.99*; $399.99*; $479.99* SKUs 2769355; 2769576; 2768901	Android Honeycomb	8GB; 16GB; 32GB	Wi-Fi	11 hours	6.97x10.75x 0.62 inches; 10.1 inches; starts at 25.6 ounces depending on model	1 mini USB, 1 USB 2.0, 1 HDMI, 1 headphone; 1 SD/ SDHC/SDXC
Tablets	**Samsung Galaxy Tab 10.1** MSRPs: $499.99*; $599.99* SKUs 2775261; 2817582; 2817743; 2775455	Android Honeycomb	16GB; 32GB	16GB available with Wi-Fi only or Wi-Fi and 3G; 32GB models are Wi-Fi only	14 hours	10.1x6.9x0.34 inches; 10.1 inches; 20 ounces	1 USB 2.0 (with optional accessory), 1 headphone, 1 HDMI out (with optional accessory); N/A
eReaders	**Amazon Kindle** MSRP: $99.99* SKU 2506094	N/A	4GB	Wi-Fi	1 month	7.5x4.8x0.3 inches; 6 inches; 8.5 ounces	N/A
eReaders	**Kobo eReader Touch Edition** MSRP: $129.99* SKU 2840076	N/A	2GB	Wi-Fi	1 month	6.5x4.5x0.4 inches; 6 inches; 7.1 ounces	1 microUSB; 1 microSD
eReaders	**Barnes & Noble nook Color** MSRP: $249.99* SKU 1517163	N/A	8GB	Wi-Fi	8 hours	8.1x5x0.48 inches; 7 inches; 15.8 ounces	1 mini USB, 1 headphone; 1 microSD

†Optional keyboard docking station can be purchased for $149.99.

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Get More Out Of Your PC

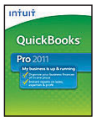
Software Listings

Computers can be used to create greeting cards, keep track of your finances, and more. But most of these functions aren't available straight out of the box. To fully harness your computer's potential, you'll need to buy software. Here are some options.

Business & Home

Microsoft Office Home & Student 2010
$149.99*
The Home and Student version of Microsoft Office 2010 has enhanced features for creating and managing documents and includes Word, Excel, PowerPoint, and OneNote.

Individual Software ResumeMaker Professional
$29.95*
It's easy to write a professional résumé quickly using ResumeMaker Professional. The software also includes advanced search tools.



Intuit QuickBooks Pro 2011
$229.95*
Easily keep track of your company's finances with QuickBooks Pro 2011. You can view expense and income breakdowns, account balances, and more, so it's easy to know where your money is going.

Nuance Dragon NaturallySpeaking 11 Home
$99.99*
Dictate emails, reports, and documents much faster than you can type by letting Dragon NaturallySpeaking do the typing for you. The software has an accuracy rate of up to 99%.

Creativity

Nova Development Family Tree Maker Deluxe
$69.95*
Explore and preserve your family history with the software, a free three-month subscription to Ancestry.com, an iPhone app, and more.

Serif CraftArtist Platinum Edition
$59.99*
Use your digital photos and CraftArtist Platinum Edition to create stunning projects that make the perfect gifts for friends and family. Tools such as the photo editor, as well as digital scissors and brushes let you personalize your projects.

HGTV Home & Landscape Platinum Suite Version 3
$49.95*
Plan home improvements or build your dream home with HGTV Home & Landscape. Complete your 3D model in a matter of minutes and then enjoy a virtual walk around.

Nero 10 Multimedia Suite Platinum HD
$99.99*
Nero 10 Multimedia Suite Platinum HD makes it easy to import video from nearly any source, add effects, and then burn the final result to BD, DVD, or CD. You can also share it between mobile devices.

Games

Activision Barbie & The Three Musketeers
$19.99*
Choose a character with a unique ability to help you tackle obstacles and solve puzzles to uncover a plot against the prince and become a true musketeer.

Disney Interactive Studio Alice In Wonderland
$19.99*
Inspired by the Tim Burton film, this game lets you fall down the rabbit hole and experience Alice's adventure in Wonderland. You can play as the Mad Hatter, White Rabbit, or another character from the film to help Alice on her journey.

Electronic Arts The Sims 3
$49.95*
Create your very own Sims. Customize their personalities, appearances, and homes and send them out into the world to explore the neighborhood and meet new friends.

Lego Indiana Jones 2: The Adventure Continues
$29.99*
Explore the locations from all four films and build your own levels and environments. Your favorite Indiana Jones characters are depicted in Lego form.

* Prices listed in this issue are for general reference and may vary from retail pricing.

Media

Adobe Photoshop Elements 9
$99.99*
Easily edit, share, and manage your photo collection and get professional results using Adobe Photoshop Elements 9.

Corel PaintShop Pro X4 Ultimate Edition
$99.99*
Corel PaintShop Photo Pro X4 lets you manage, edit, and share your digital photos. Make automatic fixes with the included advanced editing tools, including 75 new enhancements.

Roxio Creator 2012
See p. 50
$99.99*
Use Roxio Creator 2012 to easily capture, enhance, and preserve your photos, videos, and audio projects. New features include portrait enhancing tools, Hollywood-style video effects, and video file conversion for mobile device viewing.

Pinnacle Studio HD Ultimate Collection 15
$129.99*
Pinnacle Studio Ultimate HD Collection 15 comes with a full set of plug-ins and a Chroma-key green screen for advanced effects, editing, and production.

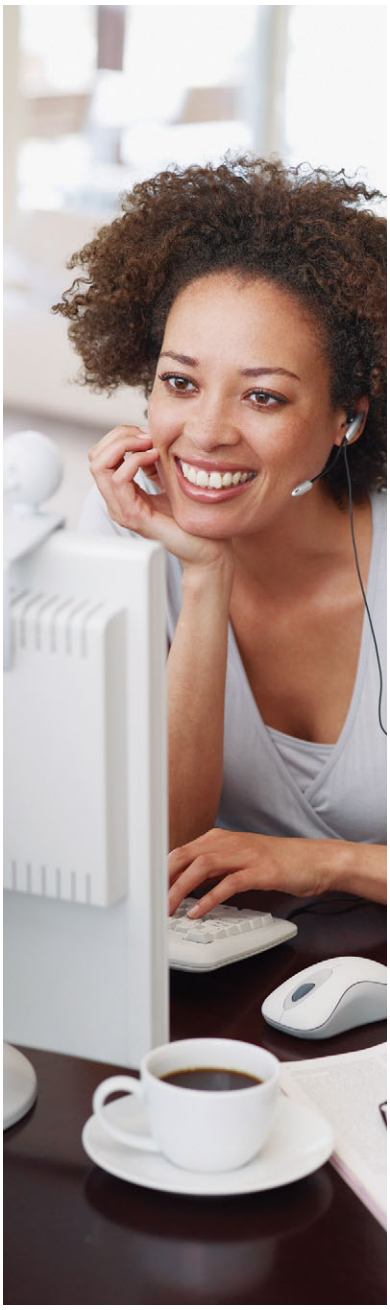
Utilities

Kaspersky Lab Pure Total Security
$89.95*
Kaspersky Pure Total Security offers all-in-one protection for your PC. It protects against Internet threats and identity theft and also offers backup, encryption, and clean-up tools.

Trend Micro Titanium Maximum Security
See p. 38
$79.95*
Trend Micro's Titanium Maximum Security is easy to use and provides a variety of tools that can keep your computer and identity safe.

iolo System Mechanic
$49.95*
With System Mechanic, you can find and fix errors and fragmentation on your PC, clean out clutter, and optimize your system for best performance.

Acronis True Image Home 2011
$79.98*
This software backs up your entire computer, including the operating system, files, settings, and more, so you can easily re-create your system in the event of data loss.



Software

Enhance & Share

YOUR DIGITAL LIFE

ROXIO

Roxio Creator 2012

MSRP: $99.99

SKU: 3303041

www.roxio.com

Quick Overview

Roxio Creator 2012 can enhance your digital media so you can create vivid and entertaining projects using photo, video, and audio editing tools. Simple to use, it offers standout features such as new portrait enhancing tools, Hollywood-style video effects, and video file conversion for mobile device viewing. Your important files can also be backed up on disc using the quick drag, drop, and burn feature.

Perfect For

Those who want to spruce up their media with a variety of tools or the ability to preserve and restore important files.

Outstanding Benefits

- Use visual effects such as fire, storm, or fairy dust as well as easy-to-use video-editing features to put a twist on home videos
- Turn photos into creative slideshows, collages, greeting cards, and more
- Eliminate wrinkles, lines or rough skin and fix over/under exposure in your portraits
- Rip, mix, and burn files from music CDs
- Capture streaming audio or video from the Web
- Share PhotoShow slideshows on DVDs, Facebook or YouTube

Coolest Feature

Convert video files for easy playback on Apple iPads, iPhones, Android smartphones and other portable devices.

Essential

Accessories

Whether your desktop, laptop, or tablet is brand-new out of the box or has been a part of your life for a while, the right accessories can enhance your computing experience. To get the most out of your system, consider putting some of these products to use.

Surge Protector

By plugging your computer into a surge protector, you can prevent damage caused by electrical surges or spikes. Models offer anywhere from one to 12 outlets, so you can prevent electrical fluctuations from affecting other devices, too.

Printer

With features such as mobile printing, borderless photos, fax, scan, and copy capabilities, and more, today's printers are built to offer convenience. And with a Wi-Fi model, you won't be constrained by a cable connection, so you can place it wherever you want in your home or office.

External Hard Drive

With an external hard drive, you can back up your photos, videos, and other important files so in the event that your computer crashes, you still have them on hand. You can also offload large files from your system to maintain a computer that runs more efficiently.

Mouse

To better fit your computing style, mice are available in ergonomic, wireless, programmable multi-button, and mobile designs. Some models even use special tracking technologies to let you mouse on surfaces that standard mice can't, such as glass, granite, and carpet.

Get The Most From Your

Computer INVESTMENT

BUY BACK PROGRAM

While it may be brand-new now, before you know it, your computer can quickly become outdated by the latest technologies. To ensure you get your hands on the latest and greatest, you should purchase the Best Buy Buy Back program with your new computing device.

Pay the one-time program fee, and within two years you can bring back your desktop, laptop, tablet, or eReader to Best Buy in exchange for a gift card to use toward a new device.

Type Of Computer	One-Time Program Fee
Desktop	$49.99
Laptop	$49.99
Tablet	$49.99
eReader	$49.99

Time Passed Since Your Purchase	Buy Back Amount Given
Up to 6 months	50%
6 to 12 months	40%
12 to 18 months	30%
18 to 24 months	20%

Computer Setup & Services

Whether you want to learn how to perform specific tasks on your computer or need help configuring a wireless home network, the Geek Squad can be reached over the phone, connected remotely to your computer, or scheduled to visit your home. A Geek Squad agent can also help you:

- **Learn basic computer skills** in your home for an hour. They can teach you about email, photo sharing, and more.
- **Diagnose and troubleshoot** issues such as virus removal and password resets via telephone, online chat, or an in-home visit.
- **Back up your data** to another format, such as a DVD or external hard drive, or transfer your files to a new computer.
- **Set up your tablet** by configuring basic functions, adding user accounts, and applying a protective screen shield.
- **Create a wireless home network** and provide an overview on how to use it. You'll also get ongoing support for six months.

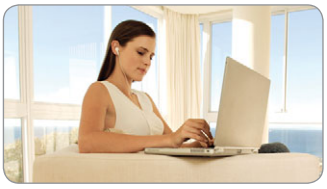
GEEK SQUAD® BLACK TIE PROTECTION

Black Tie Protection offers troubleshooting support and services for up to four years. Geek Squad agents will keep your computer or tablet operating at its peak and fix problems that occur due to normal wear and tear. With a special "lemon" policy, if your computer needs to be fixed more than four times, you'll get a new one. You'll also get the following:

- **24/7 support and troubleshooting** via phone and Web
- **Power surge repair** in the event your computer suffers damage from electrical fluctuations
- **Pixel repair** to make your display look as good as the day you bought it

Computing
GLOSSARY

COMPUTERS & TABLETS



Shopping for a computer can be intimidating, especially with all of the complex terminology. Here, we'll explain some common computer jargon.

Bluetooth—A short-range wireless standard that connects devices such as computers, printers, headsets, and digital cameras so they can be used together without being connected physically with a cord.

broadband—Network connections that transmit high-speed Internet access. Broadband speed varies depending on the provider. Cable companies offer speeds of around 8 to 11Mbps, whereas phone companies offer DSL, which supports speeds of 3 to 5Mbps.

Ethernet—A widely used LAN protocol in which computers and networks are physically linked with a cord.

firewall—Hardware or software that limits access by a network or another outside source to your computer; it also may limit your computer's access to the network. These security measures are designed to protect your computer from outsiders who'd like to exploit it in some way. By the same token, firewalls may prevent infected files on your computer from accessing the larger network and spreading the problem to other users.

HDMI (high-definition multimedia interface)—An output that some computers offer to transmit uncompressed (and ultimately high-quality) audio and video to a compatible HD display, such as an HDTV.

LCD (liquid-crystal display)—This technology sandwiches liquid crystals between thin sheets of glass. The crystals twist and untwist to allow and block light from a backlight, forming the images you see. Initially used mostly in notebook PCs, you'll now find LCDs in TVs and computer monitors, as well as digital cameras, cell phones, portable DVD players, and other devices.

mobile broadband—A communication technology, which is also called LTE, WiMAX, 3G, and 4G, that uses cell phone towers to connect devices to the Internet. Generally, you need a service contract, and it's only available in select cities.

operating system—The software, such as Windows Vista, Windows 7, or Mac OS X, that controls a computer and its peripherals and serves as the primary interface for users.

processor—Also known as a microprocessor or CPU, this integrated circuit controls the computer. Some CPUs feature two or four processors (called dual- and quad-core processors) on a single die or chassis, speeding up the computer and its ability to multitask.

RAM (random-access memory)—A type of memory that's read from and written to by the CPU and hardware.

streaming—The act of wirelessly transferring content from one device to another; for example, you can stream personal photos from a computer in the basement to a compatible HDTV in the living room.

tablet—Larger than a smartphone but smaller than a laptop, tablets are computing devices that often feature apps. Many have touchscreens that can be manipulated with a finger touch or stylus.

upgradeable—The ability to add or swap out hardware to boost a computer's performance or replace a defective or obsolete device or component. For instance, you may add more memory, replace an old CRT with a widescreen LCD, or swap out an older video card for a newer one that features an ATSC TV tuner so you can watch digital TV on your computer.

WLAN (wireless local-area network)—A setup that consists of a wireless router and a group of Wi-Fi-enabled devices, such as notebooks and BD players, that communicate wirelessly to share files, media, and other information.

COVER STORY

SiriusXM Lynx & Edge Radios

Live Radio

WHEREVER YOU MAY ROAM

Convenient access to extra satellite radio channels and portability, that's what the SiriusXM Lynx Portable Radio and Edge Dock & Play Radio ($249.99 and $139.99, respectively; siriusxm.com) give listeners with a SiriusXM subscription. While the Lynx can connect to Wi-Fi networks and wirelessly stream audio via Bluetooth, the Edge lets you enjoy the SiriusXM lineup plus Xtra channels in your vehicle as well as your home, office, or outdoors with optional accessories.

SiriusXM Lynx Portable Radio Kit | $249.99 | www.siriusxm.com

Lynx Portable Radio (SXi1)

Listening to over 150 channels via SiriusXM Satellite Radio (when docked) and SiriusXM Internet Radio—as well as SiriusXM Xtra channels available with select subscription packages, including over 10 channels dedicated to Latin programming—is a cinch thanks to the Lynx's ability to connect to any available Wi-Fi network. The screen also displays album and artist information when available; while a built-in microSDHC card slot lets you load the Lynx with your own music for playback enjoyment. The Lynx can also wirelessly stream radio to Bluetooth stereo speakers, headphones, and vehicle stereo systems as well as easily connect to home audio systems and powered speakers. With the optional Bluetooth-enabled Lynx Home Kit LH1 ($69.99), you can use the Lynx to listen to SiriusXM Satellite Radio, stream audio wirelessly, and charge your Lynx battery while you listen.

With the SiriusXM Lynx Vehicle Kit LV1 ($69.99), you can use the Lynx in your car by connecting the kit to an auxiliary input or using the Lynx's built-in *Power*Connect technology to transmit audio over your car's FM radio. The LV1's Rotary Knob makes tuning in channels ultra-easy, and the Lynx's high-resolution multi-touchscreen display makes finding, playing, and controlling satellite radio simple.

To learn more about SiriusXM, download a QR code app for your smartphone and scan this code.

SiriusXM Edge Dock & Play Radio | $139.99

Edge Dock & Play Radio (SX1EV1)

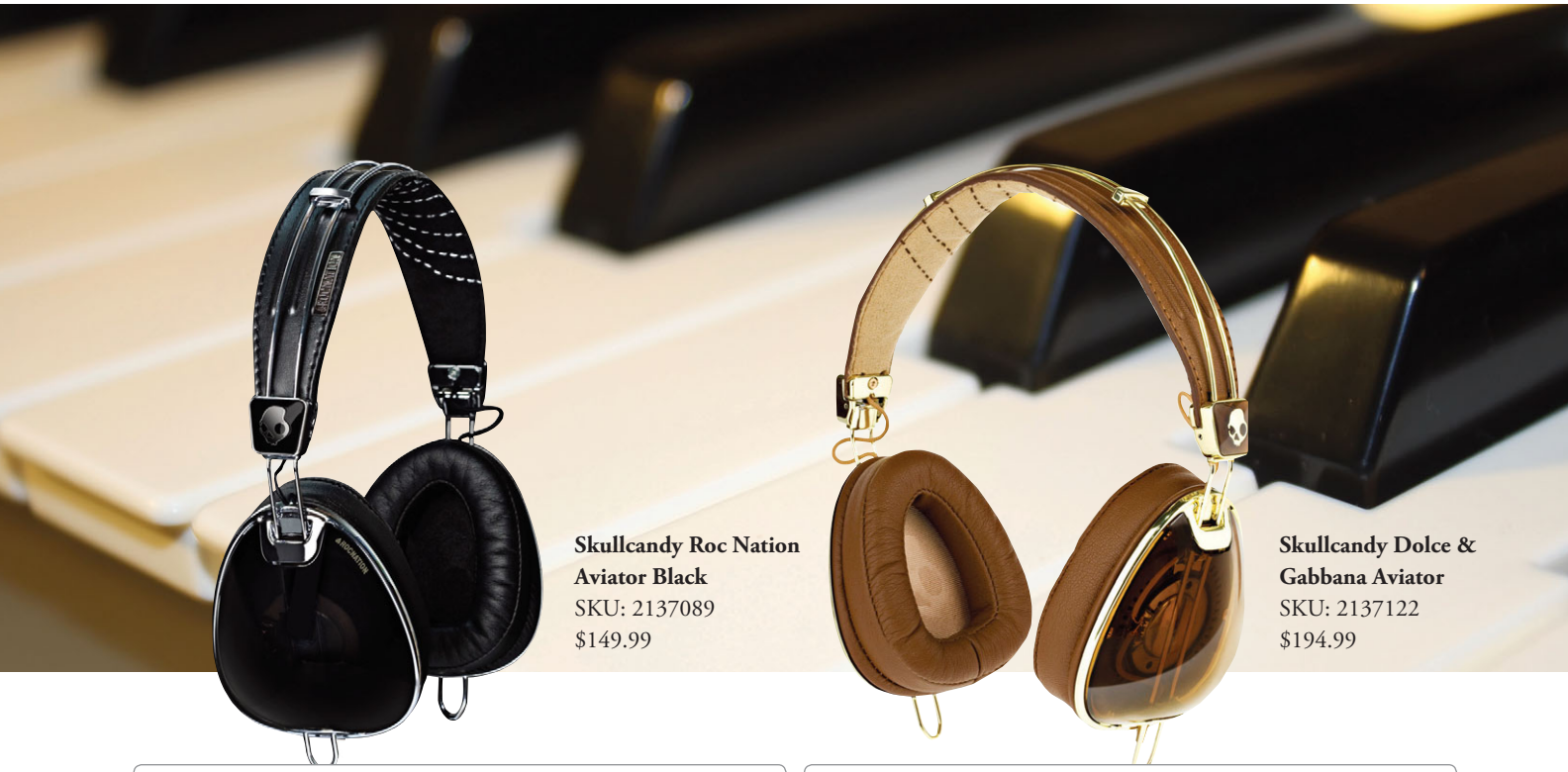
When used with the included *Power*Connect Vehicle Kit, the Edge Dock & Play Radio gives you everything you need to listen to SiriusXM Satellite Radio and SiriusXM's Xtra Channels in your car. Installation is easy and everything you need comes with the kit, so you can start listening to SiriusXM programming right away. Simply dock the Edge in the *Power*Connect Vehicle Kit, plug the included auxilliary cable into your car's auxilliary input or use the built-in *Power*Connect FM transmitter to send audio to your FM radio.

You'll find dedicated buttons on the Edge that let you conveniently pause, rewind, and replay as well as a Jump button that takes you directly to traffic and weather reports for a city you choose or return to a previous channel. The Edge's color display with large graphics, meanwhile, makes it easy on the eyes to view artist, song, program, and channel details; while a large Rotary Knob lets you easily tune in channels. Additionally, you can listen to one channel while browsing others and save your favorite channels to 10 preset buttons on the Edge.

The Benefits Of A Headphone Upgrade

First-Rate Audio

Quality headphones can make a world of difference for music lovers. The earbuds that accompany most MP3 players, however, offer the bare minimum when it comes to sound reproduction. Read on for several reasons to upgrade your MP3 player's headphones.



Skullcandy Roc Nation Aviator Black
SKU: 2137089
$149.99

Skullcandy Dolce & Gabbana Aviator
SKU: 2137122
$194.99

Features You Can Hear (Or Not)

Frequent flyers are big fans of noise-canceling technology, which actively diminishes repetitive noises such as roaring jet engines. Sound-isolating headphones can seal off the ear canal to more passively immerse the listener in the music. Some headphones can even simulate a surround-sound experience.

The Professional Edge

If you want to hear your music like the pros do, then opt for studio headphones. These headphones, which generally support the widest audio frequency response, are typically an over-the-ear style to support large speaker drivers, but offer padded ear cups for hours of comfortable listening.

Fidelity, Fidelity, Fidelity

If you want a superior listening experience, upgrading to better headphones will open your ears to previously unheard instruments; rich, deep bass; powerful midranges; and crisp highs.

One Size Does Not Fit All

Standalone headphones commonly feature adjustable headbands, earbud tips in multiple sizes, and pivoting cans to conform to your comfort needs. They also come in a range of different styles: earbuds, clip-ons, and over-the-ear.

. . . upgrading to better headphones will open your ears to previously unheard instruments; rich, deep bass; powerful midranges; and crisp highs.

Skullcandy Headphones Rock

The FIX & Aviator

Skullcandy (www.skullcandy.com) makes headphones as vibrant as its name. Great sound comes first in its large catalogue of products, but you can opt for some visual punch, too, if you like.

FIX Buds

It's easy to understand where the FIX buds ($39.99) got their name. They fix the No. 1 problem with earbuds–falling out of your ear.

With the FIX Buds, Skullcandy turned earbud design on its, uh, ear. They're specially shaped to stay in place. And because the cables are anchored at the top of the FIX Buds, any pressure on the lines simply makes them hold on tighter.

Deep bass is a given with the FIX Buds' rear-ported design. There's even Apple MIC3 support with phone and music controls built in.

Aviator

Jay-Z and the Roc Nation crew helped Skullcandy optimize the Aviator line ($149.99 and up) for whatever kinds of music you listen to. These spring-hinged, over-the-ear headphones give you stylish comfort along with supreme, 40mm proprietary driver sound.

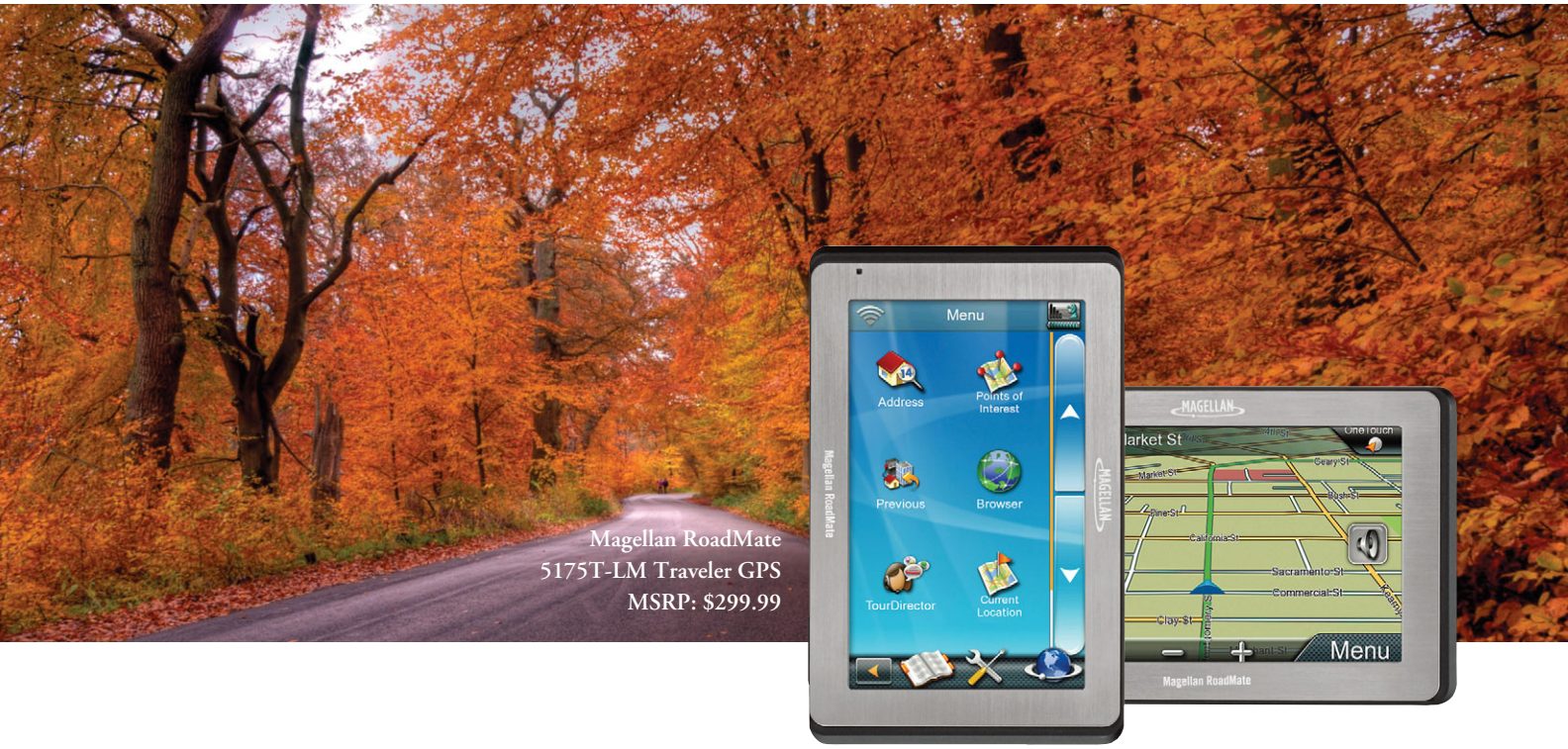
Aviators are easy to stash in their genuine leather case—that is, if you ever want to take them off. MIC3 and call/playback support come standard, so you can remain in touch as your music takes you higher.

All Skullcandy products come with a limited lifetime warranty. The company will replace any defective goods, even without a box or receipt. And if you accidentally break your headphones, Skullcandy offers a 50% credit toward a new pair. See Skullcandy.com /warranty for details.

GPS Features To Know

Beyond Routes

Today's GPSes can do much more than generate directions to get you from point A to point B. With access to the Internet, automatic updates, and Bluetooth compatibility, these devices are quickly becoming a must-have road trip companion.



Magellan RoadMate
5175T-LM Traveler GPS
MSRP: $299.99

Enhanced Connectivity

While GPS devices use satellites to triangulate their position, Web-connected GPS devices also rely on 3G cellular networks to provide you with additional features and services. For instance, some Web-connected models have Google Local Search. This feature allows you to find area lodging, Wi-Fi hotspots, eateries, ATMs, and other local businesses and addresses. You can also check out reviews and nag contact info, as well.

Map Updates

Whether you're on the road for business or pleasure, you need maps that are up-to-dateor you may end up looking for roads or points of interest that no longer exist or have changed. Because road networks can change by 18% or so annually, many GPS models can update their maps using a computer connection, mobile broadband connection, or memory card. While some map updates cost a one-time fee, some GPSes include free lifetime map updates. This lets you download the latest road and point of interest information every few months.

Bluetooth Technology

A GPS model with integrated Bluetooth technology can simplify the phone calls you need to make and receive in the car. Once a Bluetooth-enabled phone is paired with the GPS, you can use the navigation device as a hands-free calling option.

Livescribe Smartpens

Write & Record It

Whether you're a student who attends class lectures or a businessperson in frequent meetings, Livescribe smartens are essential for better grades or your career.

Working to your advantage, the Livescribe Echo smartpen (www.livescribe.com) records everything that takes place. As you jot down notes, it records what you write and the audio with it. This becomes useful when you want to review what was said—simply tap on your notes and you can listen to audio that was recorded at that exact moment in time. What's more, you can save and play back your interactive notes and audio on a variety of devices, such as your computer or Apple iPad, iPhone, or iPod touch.

Livescribe Smartpens
www.livescribe.com

2GB Echo Starter Pack | $99.95
4GB Echo | $149.95
8GB Echo Pro Pack | $229.95

Smart Features

- Record everything you write and hear so you don't miss a thing
- Tap your handwritten notes to hear audio that was simultaneously recorded
- Capture thousands of pages of notes and record 200 to 800 hours of audio
- Save and organize your notes and recordings on your PC or Mac computer
- Search written notes on your computer and play audio to quickly find what you need
- Send notes and audio as an interactive pencast PDF to your email, Google Docs, Google Sites, Facebook, Evernote, Microsoft OneNote, and mobile devices right from your paper
- Convert handwritten notes into digital text

Hear Your Tunes On The Go With An

MP3 Player

iPods are cool, sure, but you have other choices when it comes to listening to your tunes. This chart compares the most important—and coolest—features from select MP3 players.

		Operating system; Wi-Fi connectivity	Capacity	Video capabilities	FM tuner	Colors	Battery life
	What It Means	The device's software platform; ability to connect to the Internet	How much memory the player has**	Some MP3 players can play video	Some MP3 players let you listen to radio stations	Several players offer a variety of color choices	How long the battery will last when playing music
	Mach Speed Eclipse MSRP: $29.99* SKU 2597021	N/A; No	4GB	Yes	No	Red, silver, purple	8 hours
	SanDisk Sansa Clip MSRP: $49.99* SKU 3029079	N/A; No	4GB	No	Yes	Black, purple, red, gray	15 hours
	Apple iPod shuffle MSRP: $49* SKU 9845475	N/A; No	2GB	No	No	Orange, silver, pink, green, blue	15 hours
	Apple iPod nano MSRP: $129*; $149* SKU 1161725	iOS; No	8GB; 16GB	No	Yes	Pink, orange, green, blue, silver, graphite	24 hours
	Apple iPod touch MSRP: $199*; $299*; $399* SKU 9225377; 3109302	iOS; Yes	8GB; 32GB; 64GB	Yes	No	Black, white	40 hours
	Sony Walkman NWZS764BLK MSRP: $149.99* SKU 3076097	N/A; No	8GB	Yes	Yes	Black, white	50 hours
	Samsung Galaxy MSRP: $229.99*; $269.99* SKU 3521646; 3521682	Android; Yes	8GB	Yes	Yes	White	60 hours
	Philips GoGear Connect MSRP: N/A SKU: 3505092	Android; Yes	8GB	Yes	Yes	Black	25 hours

*Prices listed in this issue are for general reference and may vary from retailer pricing.
**One gigabyte of memory will hold approximately 250 songs. Actual capacity will vary depending on song length and format.

Track Your Workouts With A

Fitness Device

With a health and fitness device in hand, you can track how many steps you make, calories you burn, and more. By keeping tabs on your fitness activities, you can continue to progress and conquer new goals.

PORTABLE DEVICES

		Design type; Water resistance	Tracked activities	GPS functionality	Heart rate monitor type	Storage capacity; PC connectivity	Battery type; Battery life
	What It Means	How the device is worn; How far underwater the device can go	The different types of fitness data that can be collected by the device	Ability to measure your traveled distance and overall pace	Heart rate can be measured continuously with a chest strap or instantly with a wrist model	Internal data that can be saved; Upload data to your PC to share and analyze	How many hours the device will operate after a single battery charge
	Fitbit Tracker MSRP: $99.95* SKU 9594824	Clip, wristband, holster; N/A	Steps, distance, calories, sleep	No	N/A	7-day history (detailed), 30-day history (summarized); Yes, via USB base station	Not specified; 3 days (minimum), 5 to 7 days (typical)
	Sportline DUO 1060 MSRP: $119.99* SKU 9525793	Wristwatch; 164 feet	Steps, distance, calories, speed, heart rate	No	Chest strap	7 workouts; No	CR2032; N/A
	BodyMedia FIT Armband MSRP: $179.95* SKU 2128212	Armband; Splash-resistant	Steps, calories, sleep	No	N/A	14-day history; Yes, via USB cable	Lithium polymer; 5 to 7 days (typical)
	Garmin Forerunner 110 MSRP: $179.99* SKU 1159384	Wristwatch; 3.3 feet	Distance, calories, speed, pace	Yes	N/A	1,000 laps; Yes, via charging/USB data clip	Li-Ion; 3 weeks in power save mode and 8 hours in training mode
	Garmin Forerunner 405CX MSRP: $269.99* SKU 9502585	Wristwatch; 3.3 feet	Distance, calories, speed, pace, heart rate	Yes	Chest strap	1,000 laps; Yes, via wireless USB ANT Stick	Li-Ion; 2 weeks in power save mode and 8 hours in training mode
	Polar GPS Watch with Heart Rate Monitor MSRP: $329.99* SKU 9946395	Wristwatch; 98 feet	Distance, calories, speed, pace, heart rate	Yes	Chest strap	100 training files; Yes (requires Polar Flowlink)	CR2025; N/A
	Garmin Forerunner 310XT MSRP: $399.99* SKU 9878943	Wristwatch; 164 feet	Distance, calories, speed, pace, heart rate	Yes	Chest strap	1,000 laps; Yes, via wireless USB ANT Stick	Li-Ion; 20 hours (typical)
	Timex Ironman Global Trainer MSRP: $359.99* SKU 1165994	Wristwatch; 164 feet	Distance, calories, speed, pace, heart rate	Yes	Chest strap	1,000 laps; Yes, via USB cable	Li-Ion; 15 hours in GPS mode and 12 days in standby mode

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Essential

Accessories

No matter where you're going, a portable device can add enjoyment to your journey. To ensure you're taking full advantage of the capabilities your portable devices offer, check your local CE retailer for accessories that can enhance your mobile experiences.

Docks & Speakers

A portable speaker dock lets you share the music on your MP3 player with friends and family. Some docks include a built-in radio or CD player, while others can charge your MP3 player as you listen to your favorite tunes.

Headphones

With different shapes, sizes, and audio qualities, there's a pair to fit your needs. For example, earbuds are great if you need an ultra-portable travel option. However, if sound quality is more important, you should opt for over-the-ear noise-canceling headphones.

Cases & Screen Protectors

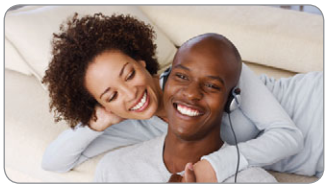
You can extend the life of your portable devices, such as mobile phones, MP3 players, and GPS devices, with a durable case to protect them from accidental bumps and drops. Adding a screen protector will guard your device's display against scratches.

Battery Chargers

Whether it's your phone, GPS, or MP3 player, you'll want to make sure your travel companion always has a full battery. Some chargers can plug into your computer or your car's DC outlet, but if these aren't an option, there are also chargers that use solar power or wall outlets.

MP3 Player
GLOSSARY

PORTABLE DEVICES



Who doesn't want an MP3 player? It can help you relax, motivate you, and ensure you always have a song to match your mood. When you head to your local CE retailer to snag one, make sure you have this glossary so you can choose the perfect model.

AAC—Short for Advanced Audio Codec, this format is a competitor of the more common MP3 file format. It is the default format used by Apple.

Bluetooth—A wireless technology, supported by some MP3 players, that connects devices with short-range radio frequencies.

capacity—How much data a player can hold. This is typically expressed in gigabytes or megabytes. Generally speaking, 1GB will hold about 250 songs.

download—In terms of digital music, downloading is when you retrieve a song from an Internet site or another network connection and save it to your computer or portable music player. You can download songs from music Web sites such as iTunes, Napster, or Rhapsody.

DRM (digital rights management)—DRM is a security mechanism for digital media, associated with copyright. A common DRM scheme for digital music involves getting a licensed file to authorize playback of a free or purchased song.

earbuds—Small, circular devices you put into your ears so you can listen to music on your player. These serve the same function as headphones. Many music players include their own earbuds, but you can purchase a separate pair that is more comfortable or of better quality.

flash memory—Solid-state memory with no moving parts that is lightweight and small. In terms of digital music players, a flash-based player is lighter and smaller than a hard drive-based player, and also, it won't skip. Thus, flash-based players are popular for use during exercise. However, the capacity of a flash-based player isn't as large as a hard drive-based player.

FM tuner—If your music player has a built-in FM tuner, you will be able to listen to music that is broadcast from local radio stations.

hard drive—Storage that consists of rigid platters inside a fixed casing. In terms of digital music players, a hard drive-based player is larger and heavier than a flash-based player. Because of the moving parts (the platters), hard drive-based players are also prone to skipping. However, their capacities are much larger than those of flash-based players.

music management program—A program, such as iTunes or Napster, that loads onto your computer and lets you play, organize, download, and purchase media, such as music and videos, for your player or PC.

MP3—Perhaps the most popular digital audio encoding format. It compresses audio to about one-twelfth the original size while still providing excellent sound. In general, a 1MB MP3 file will last about one minute.

playlist—A queue of songs a user creates to play on a computer, burn to a CD, or transfer to an MP3 player. The playlist will only include directions to the location of the songs, not the actual songs themselves.

podcast—A downloadable episode that is similar to a radio program. A user can subscribe to a podcast for updated episodes, or she can download podcasts one at a time.

screen—The display on the front of a portable music player. A player's screen can either display in color or black and white.

WMA—Windows Media Audio is a digital audio format created by Microsoft.

widescreen—A screen that has a 16:9 aspect ratio.

Appliances To Help Host The Perfect Holiday Event

Ring In The Season

Having the right appliances on hand will go a long way toward making your holiday prep work easier and your guests' experience more enjoyable. The following products are examples.

Cupcake maker. Want to please the little ones at your party? Just have some cupcakes on deck. A cupcake maker can bake up to seven tasty cakes in just minutes in nonstick baking trays that are a cinch to clean up afterward. Additionally, preheat indicators conveniently signal when it's time to start baking.

Drink and dessert fountains. A punch fountain adds sophistication to any event by funneling up to a gallon of your favorite beverage through three tiers into a bottom bowl. Chocolate fountains make several gallons' worth of hot, melted chocolate that flows through a tiered, stainless steel setup.

Buffet servers and chafing dishes. A more efficient serving solution is using stainless steel buffet servers that hold multiple trays and chafing dishes and keep food warm without overcooking. Various models include multiple temperature settings and safe-touch handles to prevent accidental burns.

Popcorn maker. Few things fill a room with as pleasant an aroma or satisfy snack-loving guests' appetite as much as hot buttered popcorn. Not only will a nostalgic model grab attention with its retro design, it will simultaneously satisfy a large crowd's hunger, leaving you free to mix and mingle.

Beer, wine, and margarita machines. Beer and keg dispensers conveniently keep multiple gallons of brew on tap to draw from, while electric wine cellars chill multiple bottles with adjustable-temperature control. Elsewhere, margarita machines will have you blending and mixing up icy potions in no time.

Food processor. No holiday party is complete without a few dips to sink crackers, chips, and bread into. With a food processor at the ready, you can quickly chop, blend, mix, and puree multiple ingredients into a sassy salsa or zesty onion dip. Further, many models have dishwasher safe components.

Ice maker. A party essential that sometimes goes overlooked is ice. With a freestanding or built-in electric ice maker you'll be certain to have up to 50 gallons of the cold stuff on hand. Beyond providing different cube sizes, some models offer automatic shutoff and clean cycle capabilities.

Essential Things To Know

Holiday Cleaning

With family and friends visiting for the holidays, you may be wondering how to get everything prepared. Here, we list some of the tools that can help you spruce up the house and keep things simple when your guests arrive.

What type of dishwasher will be able to handle an extra-large load of dishes after our family's Thanksgiving meal?

A full-sized dishwasher has plenty of room for bowls and serving plates of all sizes. A model with a food disposal and extra-rinse cycle will grind and wash away food particles.

Which dishwasher model is best to install in a small kitchen?

An 18-inch, portable dishwasher that rolls on four wheels can fit into the nooks and crannies of your kitchen. Most models feature a hard-top surface which can come in handy as extra counter space.

What are the benefits of double drawer dishwashers?

A dual-drawer dishwasher supports two independent wash areas with different capacities. This lets you efficiently wash smaller loads or perform two different wash cycles at the same time, such as a gentle wash and a heavy scrub.

I have several pets and I want to deep clean my carpets before holiday guests arrive. What type of vacuum cleaner should I use?

There are specialty vacuum cleaners that are designed to remove hair from carpet, upholstery, and other fabrics. Some hard floor vacuums will pick up pet dander with soft bristles that won't scratch wood panels. If you opt for a bag-less model, you can save money because you won't have to purchase new bags.

How can I make post-party kitchen cleanup quicker and easier?

If you purchase an oven with self-cleaning capabilities, you won't have to undertake back-breaking scrubbing to get rid of baked-on food. You can also program some oven models to perform a scheduled cleaning cycle when you're asleep.

Essential

Accessories

After you've selected an appliance, you need to make sure you have all the necessary extras, such as cords or hoses for installation. By adding the accessories below, you can ensure your appliance's performance remains top-notch.

Water Lines

Many refrigerators include plastic water lines that are susceptible to twisting and leaks, but a line made of copper or stainless steel will last longer. Similarly, washing machines with rubber hoses can burst, so you should upgrade to a stainless steel hose. And reusing an old water line for your dishwasher can lead to water damage; instead, get a dishwasher kit that includes a water line and power cord.

Electrical Cords

Many large appliances don't come with power cords. All new washer and dryer models use 4-prong cords, but models that were made before 1984 use a 3-prong cord. Likewise, dishwashers generally use a 3-prong cord, and you can purchase a kit that includes the cord as well as a water line. When it comes to ranges, you'll need either a 3- or 4-prong cord to match the electrical outlet in your home.

Gas Flex Lines

Gas lines aren't included with kitchen ranges or laundry dryers, so you'll need to purchase one. (It's also worth noting that most professionals will require a new gas line when installing your range or dryer.) To protect your house against potential gas leaks, look for gas lines that have an auto shut-off feature.

The Latest Kinect For Xbox 360 Titles

Games For All

Whether you're a kid or a parent, a beginner or a hardcore gamer, there's a Kinect for Xbox 360 game for everyone. Offering titles that span a number of genres, everyone can experience unique, full-body motion gaming.

Dance Central 2

Genre: Music/Rhythm
$49.99
SKU: 2897116

Dance the night away to one of the 40 tracks included in the song library, or download additional songs from the Dance Central Music Store. Put on dance parties where your friends can jump in or out of the game at any time. Customize characters with new outfits and dance in a variety of venues. You'll receive feedback after every routine, so you can improve your dance skills.

Kinect Disneyland Adventures

Genre: Family
$49.99
SKU: 2897073

Take a summer vacation this winter with Kinect Disneyland Adventures. Explore the many attractions the park has to offer and engage in activities with Disney characters. Fight with a sword alongside Peter Pan to defeat Captain Hook, march in extravagant parades, and watch a fireworks display. Keep and share memories by collecting autographs, buying souvenirs, or taking photos using the Kinect's camera.

Sesame Street: Once Upon A Monster

Genre: Family
$49.99
SKU: 2842757

Immerse yourself in the world of Sesame Street and play along with some of the most popular characters, including Cookie Monster and Elmo, plus a few new ones. You can run races, play instruments, and more to make your way through the game's chapters, which are designed to be educational as well as fun.

Kinect Sports: Season Two

Genre: Sports
$49.99
SKU: 2897055

The second season of Kinect Sports adds six new sports: football, baseball, golf, tennis, darts, and skiing. Hit a home run against a friend either in the same room or over Xbox Live. Strike a hole in one on Maple Lakes golf course and serve an ace in Grand Slam Gardens. There are three different difficulty levels for both beginners and those who want more of a challenge.

Rise Of Nightmares

Genre: Action/Horror
$49.99
SKU: 2842639

Rise of Nightmares is the first Mature-rated Kinect game designed for core gamers and horror fans. Use every part of your body to fight off terrifying enemies using your bare hands and feet or any of the 40 weapons available in the game. Explore a large mansion full of varied inhabitants while playing as a character gathering clues in hopes of finding his missing wife.

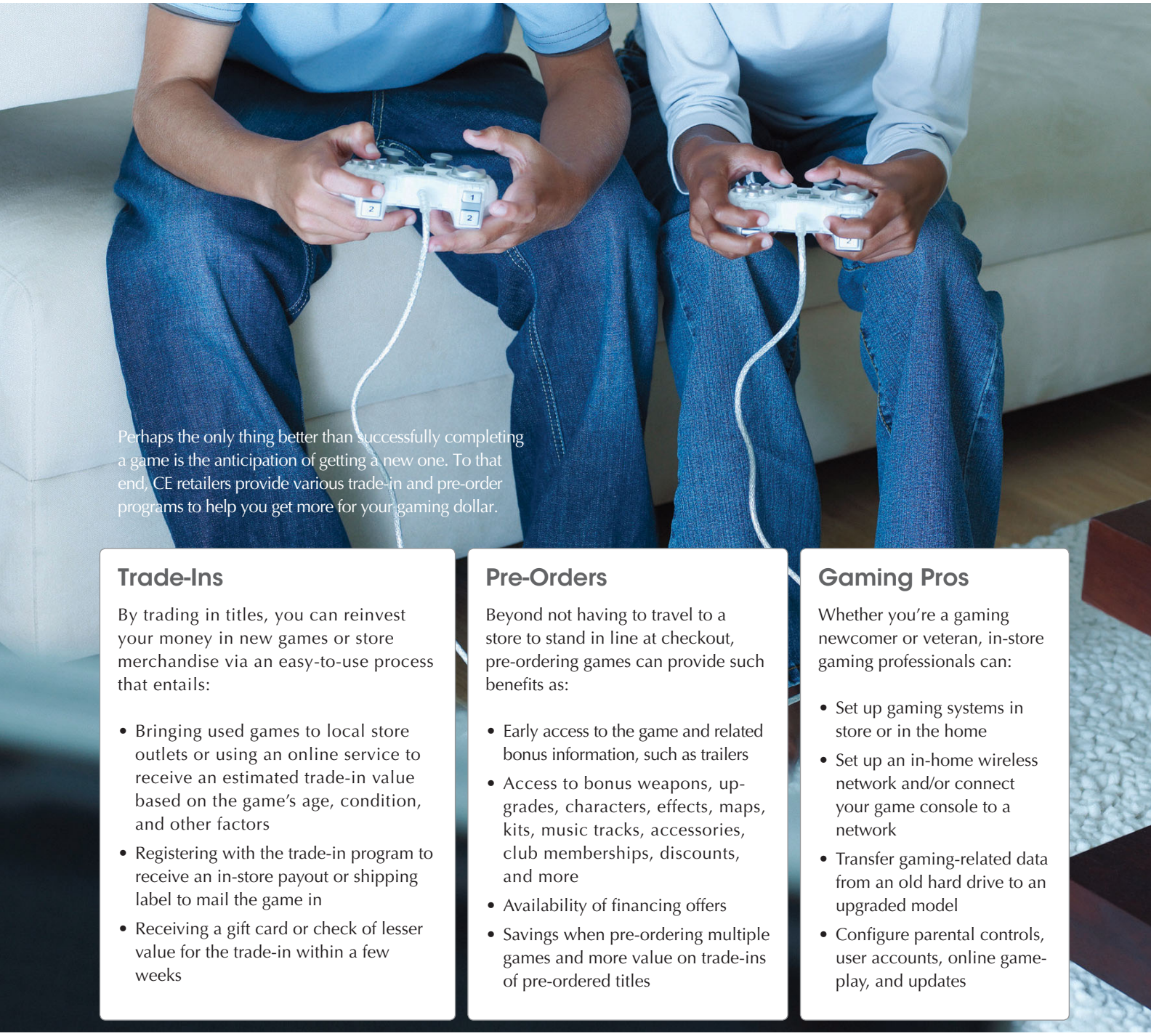
Forza Motorsport 4

Genre: Racing
$59.99
SKU: 2078113

Forza Motorsport 4 features realistic cars and tracks and adds Kinect functionality that unlocks some new gameplay elements. Walk around and inspect the exterior, interior, and engine of your vehicle using Forza 4's Autovista mode. Kinect also gives you a heads up when racing. The camera tracks your head movements, giving you a better view of the racetrack as you use your hands to steer and your foot to push the pedal to the metal.

Trade-Ins & Pre-Orders

More For Your GAMING DOLLAR



Perhaps the only thing better than successfully completing a game is the anticipation of getting a new one. To that end, CE retailers provide various trade-in and pre-order programs to help you get more for your gaming dollar.

Trade-Ins

By trading in titles, you can reinvest your money in new games or store merchandise via an easy-to-use process that entails:

- Bringing used games to local store outlets or using an online service to receive an estimated trade-in value based on the game's age, condition, and other factors
- Registering with the trade-in program to receive an in-store payout or shipping label to mail the game in
- Receiving a gift card or check of lesser value for the trade-in within a few weeks

Pre-Orders

Beyond not having to travel to a store to stand in line at checkout, pre-ordering games can provide such benefits as:

- Early access to the game and related bonus information, such as trailers
- Access to bonus weapons, upgrades, characters, effects, maps, kits, music tracks, accessories, club memberships, discounts, and more
- Availability of financing offers
- Savings when pre-ordering multiple games and more value on trade-ins of pre-ordered titles

Gaming Pros

Whether you're a gaming newcomer or veteran, in-store gaming professionals can:

- Set up gaming systems in store or in the home
- Set up an in-home wireless network and/or connect your game console to a network
- Transfer gaming-related data from an old hard drive to an upgraded model
- Configure parental controls, user accounts, online gameplay, and updates

Give Them Musical Tools

Gifts For Guitarists

If you're searching for the perfect gift for the guitarist in your family, there are plenty of accessories and extras that can keep your guitarist strumming.

Strings

Occasionally a guitar string can break, so it's a good idea to have extra packs available. The type of strings you buy depends on the type of guitar—acoustic, electric, or bass—as well as the guitarist's metal and gauge preferences.

Tuners, Picks & More

An out-of-tune instrument isn't music to anyone's ears, but if you give your guitarist a tuner, he can see if he's playing too flat or sharp and adjust accordingly. Picks are available in different shapes, thicknesses, and materials that can help your guitarist create different tones or discover different playing styles. Other ideas can include straps, stands, capos, slides, and music books.

Music Recording

To help them share their music, look for an adapter that can connect their instrument to a computer and audio recording software so they can lay down tracks. There are also standalone single- or multi-track recorders that don't require a computer, making them ideal for live gigs.

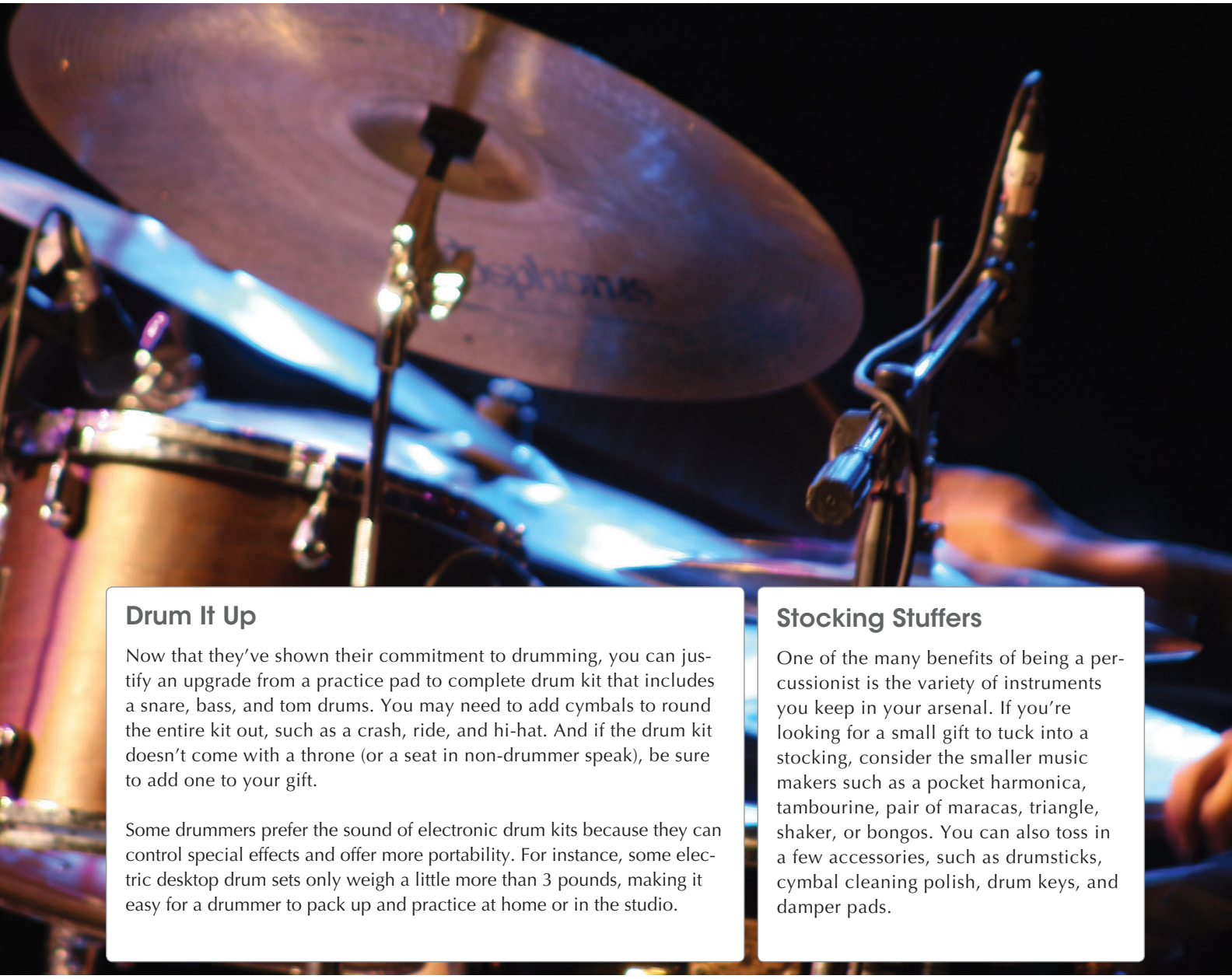
Care & Maintenance

To keep a guitar in good working order for years to come, maintenance kits offer cleaning polish and cloths plus other tools. String conditioner will keep strings clean and prevent them from rusting, while fret board conditioner will keep the guitar's fingerboard surface feeling smooth. And a guitar case or bag is important when transporting or storing a guitar to ensure it isn't damaged.

Drummer Essentials

Gifts With A Beat

Whether your teenager is the drumming star of her own band or just learning snare drum drills, there are plenty of percussion gifts you can give her. Below, we list some of the best.



Drum It Up

Now that they've shown their commitment to drumming, you can justify an upgrade from a practice pad to complete drum kit that includes a snare, bass, and tom drums. You may need to add cymbals to round the entire kit out, such as a crash, ride, and hi-hat. And if the drum kit doesn't come with a throne (or a seat in non-drummer speak), be sure to add one to your gift.

Some drummers prefer the sound of electronic drum kits because they can control special effects and offer more portability. For instance, some electric desktop drum sets only weigh a little more than 3 pounds, making it easy for a drummer to pack up and practice at home or in the studio.

Stocking Stuffers

One of the many benefits of being a percussionist is the variety of instruments you keep in your arsenal. If you're looking for a small gift to tuck into a stocking, consider the smaller music makers such as a pocket harmonica, tambourine, pair of maracas, triangle, shaker, or bongos. You can also toss in a few accessories, such as drumsticks, cymbal cleaning polish, drum keys, and damper pads.

Looking for the perfect gift for the guitarist in the band? Turn to page 71 for plenty of stocking stuffer ideas.

This Month's

Blu-ray Disc RELEASES

GAMING, MEDIA & MORE

November	Date	MSRP*	SKU	Rating
12 Angry Men	11/22	$29.99	3725049	Not Rated
A Medea Christmas	11/22	$19.99	3720309	PG-13
Alleged	11/8	$24.99	19589708	Not Rated
Batman Beyond: Return of the Joker	11/22	$14.99	19499727	PG-13
Beauty and the Beast: The Enchanted Christmas	11/22	$34.99	19375695	G
Beginners	11/15	$29.99	3669353	R
Being Human: The Complete First Season	11/15	$44.99	3811221	Not Rated
Bellflower	11/15	$34.99	19552422	R
Chaos Head: Complete Series	11/29	$59.99	19547166	TV14
Doctor Who: The Complete Sixth Series	11/22	$62.99	3699201	TVPG
Dr. Seuss: Horton Hears A Who!	11/22	$24.99	19499654	G
Dreamworks Dragons	11/15	$24.99	19571942	PG
Fairy Tail: Part 1	11/22	$49.99	3779643	TV14
Farscape: The Complete Season One	11/15	$59.99	19485206	TVPG
Godzilla vs. Megalon	11/22	$24.99	19608643	G
Griff the Invisible	11/15	$24.99	19498382	PG-13
Harry Potter and the Deathly Hallows, Part 2	11/11	$24.99	3698609	PG-13
Harry Potter: Complete Collection Years 1-7	11/11	$139.99	3792631	PG-13
Hell Driver	11/22	$24.99	3697521	Not Rated
It's A Wonderful Life	11/1	$34.99	3756976	Not Rated
Mortal Kombat: Legacy	11/8	$14.99	3699177	TVMA
My Fair Lady	11/15	$24.99	19564612	G
Nature: My Life as a Turkey	11/22	$19.99	19612946	Not Rated
Nature: Radioactive Wolves - Chernobyl's Nuclear Wildnerness	11/29	$19.99	19612991	Not Rated
Nova: Fabric Of The Cosmos	11/22	$29.99	19375155	Not Rated
Picture Perfect HD Chicago	11/29	$14.99	19614371	Not Rated
Sarah's Key	11/22	$24.99	3699335	PG-13
Scooby-Doo and the Cyber Chase	11/22	$14.99	19499718	Not Rated
Scream 4	11/22	$24.99	3699362	R
Spy Kids: All the Time in the World	11/22	$29.99	3699371	PG
Star Driver Part 1	11/22	$44.99	19636558	PG-13
Stone Cold Steve Austin	11/29	$34.99	19499187	TVPG
Super 8	11/22	$24.99	3720141	PG-13
The Birth of a Nation	11/22	$34.99	19591879	Not Rated
The Devil's Double	11/22	$24.99	3720293	R
The Treasure Hunter	11/15	$19.99	3697637	TV14
The Ultimate Gift	11/15	$19.99	19570079	PG
Tom and Jerry: The Fast and the Furry	11/22	$14.99	19499627	G
Way Down East	11/22	$29.99	19591751	Not Rated

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Harry Potter and the Deathly Hallows: Part 2

Rating: PG-13 | MSRP*: $24.99| SKU: 3698609

Release Date: 11/11

Spy Kids: All the Time In the World

Rating: PG | MSRP*: $29.99 | SKU: 3699371

Release Date: 11/22

Super 8

Rating: PG-13 | MSRP*: $24.99 | SKU: 3720141

Release Date: 11/22

Get The Most Entertainment From A

Game System

Game consoles and portable devices are no longer limited to gameplay. They can also access the Internet, download media, and play your favorite DVDs or CDs. To help you find one that suits you best, here's a comparison of models at your local CE retailer.

		Storage space	Compatible memory cards	Optical drive	Video resolution output	Ports	Online community
	What It Means	How much data the system can hold	Cards that will let you save and offload data, such as game saves or personal media	Aside from game discs, other playable media formats	Highest number of video pixels that is sent to a TV or portable console screen	Hookups for controllers as well as video and audio outputs	Web site membership for downloads, upgrades, and more
Console Devices	**Sony PlayStation 3** 160GB MSRP: $249.99* SKU 3061302	160GB	PlayStation and PlayStation 2 cards with optional USB memory card adapter	CD, DVD, BD	1,920 x 1,080	1 A/V, 1 Ethernet, 1 HDMI, 1 optical digital audio, 2 USB	Yes, free PlayStation Network membership
Console Devices	**Nintendo Wii** MSRP: $149.99* SKU 2539748	512MB	SD/Nintendo GameCube Memory Card	Can only play game titles	720 x 480	4 controller, 1 A/V Multi Out, 2 USB	Nintendo Wi-Fi Connection
Console Devices	**Microsoft Xbox 360 250GB Console** MSRP: $199.99* SKU 1162184	250GB	USB flash drive	CD, DVD	1,920 x 1,080	1 optical audio out, 1 Ethernet, 1 HDMI, 5 USB, Kinect port	Xbox LIVE
Portable Devices	**Nintendo 3DS** MSRP: $169.99* SKU 1824267	N/A	SD	None	Upper: 800 x 240 (3D) Lower: 320 x 240	1 headphone	Nintendo Wi-Fi Connection
Portable Devices	**Nintendo DSi** MSRP: $149.99* SKU 9249725	256MB	SD	None	Dual 256 x 192	1 headphone, 1 microphone	Nintendo Wi-Fi Connection
Portable Devices	**Nintendo DSi XL** MSRP: $169.99* SKU 9760166	256MB	SD	None	Dual 256 x 192	1 headphone, 1 microphone	Nintendo Wi-Fi Connection
Portable Devices	**Sony PlayStation Portable 3000** MSRP: $129.99* SKU 9175082	64MB	Memory Stick Duo	UMD (Universal Media Disc)	480 x 272	1 video out/ headset, 1 USB, 1 DC out	Yes, PlayStation Network

Wi-Fi access; Media streaming	Parental controls	Compatible game formats	Included accessories & services	Available accessories	Controllers	Perfect for
Access the Internet without a cable hookup; send and receive media wirelessly	Helps parents decide what content their kids can or cannot access	Game titles that can be played on the game system	Accessories included with the console	Extras that can help enhance your gameplay	Included controllers; wired/wireless controller compatibility	Who can benefit from the special features the gaming system offers
Yes, 802.11b/g; Yes—Netflix and content from your home network	Options available for games, BDs, DVDs, and Internet access	Sony PlayStation 3 titles and select PlayStation titles	DualShock 3 wireless controller, USB cable, PlayStation Network membership, A/V cable	Move Navigation controller, Blu-ray remote, Bluetooth headset, memory card adapter, wireless keypad, cables	Includes 1 DualShock 3 wireless controller; wireless	Someone who wants the value of a full gaming system with a BD player and media streaming
Yes, 802.11b/g; Yes—Netflix	Options available for games, online features and downloads, and more	Nintendo GameCube and Wii titles	Wii remote and nunchuck, sensor bar, Wii Sports game, console stand, A/V cable, adapter	Wireless Wii remote, wheel, classic (wired) controllers, wireless sensor bar	Includes 1 wireless Wii remote and nunchuck; both (some titles require a wired remote)	Gamers of any age who want a unique wireless gaming experience that requires little gaming knowledge
Yes, 802.11n; Yes—Netflix and content from your home network	Options available for games, Xbox LIVE, console play time, and a Family Settings pass code	Xbox 360 supports backward compatibility of the original Xbox, Xbox 360, and Xbox LIVE Arcade titles	Wireless controller, headset, A/V cable, free one-month trial to Xbox LIVE Gold	Xbox Kinect, HDMI cable, USB flash drive, Xbox LIVE headset, Play & Charge Kit	Includes 1 wireless controller; wireless	Those who want an Xbox console with a Kinect Sensor to play games only with body movement, built-in wireless capabilities, and more
Yes; Yes	Options available for games, specific wireless connectivity, 3D functionality, and more	Nintendo 3DS titles and nearly all Nintendo DSi and Nintendo DS titles	Charging cradle, AC adapter, stylus, 2GB SD card, 6 AR cards	Cases, adapters, screen shields	N/A	Users who want a handheld game system that supports 3D games
Yes; Yes	Options available for Nintendo DSi content	Nintendo DSi and Nintendo DS titles	AC adapter, 2 styli	Audio headset, battery power pack, screen protectors, carrying cases, styli	N/A	Users who want a handheld gaming system that lets them take, personalize, and share photos
Yes; Yes	Options available for DSi software, DSi Browser, DSi Shop, and more	N/A	Rechargeable battery, AC adapter, stylus, and 4 preinstalled titles	Cases, adapters, headphones, full-sized stylus	N/A	Those who want a handheld gaming system better-suited for social gaming with a large screen
Yes, 802.11b; Yes	Included	Available for download from PlayStation store	AC adapter, USB cable	Protective screen film, cradle, headphones, memory cards, cases	N/A	Those who need a bigger screen for their gaming, Internet, and media entertainment

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Find Material That's Appropriate For Your Kids

ESRB Game RATINGS & DESCRIPTIONS

ESRB (Entertainment Software Rating Board) Ratings

In order for parents to select gaming software appropriate for their children, ESRB (www.esrb.org) ratings are listed on the front and back of most game packages to provide concise and impartial details about a title's content.

Early Childhood. Titles with this rating have content that may be suitable for children ages 3 and older. These software titles contain no material that parents would find inappropriate.

Everyone. Titles with this rating have content that may be suitable for children ages 6 and older. Games in this category may contain minimal cartoon, fantasy, or mild violence and infrequent use of mild language.

Everyone 10+. Titles with this rating have content that may be suitable for children ages 10 and older. Games in this category may contain more cartoon, fantasy, or mild violence and language as well as minimal suggestive themes.

Teen. Titles with this rating have content that may be suitable for children ages 13 and older. Titles in this category may contain violence, suggestive themes, crude humor, minimal blood, simulated gambling, or infrequent use of strong language.

Mature. Titles with this rating have content that may be suitable for persons ages 17 and older. Games in this category may contain intense violence, blood and gore, sexual content, or strong language.

Adults Only. Titles with this rating have content that is only suitable for persons 18 years and older. Games in this category may include prolonged scenes of intense violence, graphic sexual content, or nudity.

For additional information, ESRB ratings on the back of game packages include content descriptions and depictions.

GAMING FOR PARENTS

Aside from checking a game's ESRB rating, there are other ways you can ensure the games your youngsters are playing are age-appropriate.

- Carefully look at everything on a title's packaging, including the game graphics.
- Find game reviews, screen shots, or demos to get a better idea of a game's content.
- If available, use the game's parental controls to restrict inappropriate content.
- Learn about games by talking to other parents and older children who are familiar with or have played certain titles.
- Participate in your children's gaming and discuss their games as much as possible.
- Be aware of nonrated ESRB material a game may contain. "Mods" are program downloads that can alter a game's content, and online games often have live player chats as well as other user-generated content.

Essential Gaming, Media & More

Accessories

The console gaming experience goes beyond the game itself—you need the right peripherals as well. Here's a look at a few must-have items that will enhance your gameplay.

Headsets

If you want to hear your opponents better and strategize out loud in multiplayer games, you need a headset. Some models offer noise-canceling and echo-minimizing mics so you can hear and be heard clearly. For immersive gameplay, you'll also find headsets that simulate surround sound.

Wireless Controllers

Instead of being tethered to a game console by a controller wire, you can move about as you game with a wireless controller that uses Bluetooth technology. There are models that use AAA batteries to sustain your playing time. And if you need a controller that's easier on your hands, there are ergonomic options.

Cases

For those with a portable game console meant for on-the-go use, a case will protect the device from accidental bumps, drops, and scratches. Cases with zippered compartments, padding, mesh interior pockets, and hooks or carrying handles help keep all of your portable console's media, styli, chargers, and more in one secure spot.

Furniture

Upgrade to first class seating in your game room with a dedicated gaming chair. Many models have built-in speakers that will make you feel like you're in the middle of your game's action. Gaming chairs with integrated vibration motors pulse with the sounds of your game, making every move even more realistic.

Solutions That Cover

The Full BUSINESS SCOPE

In this section, you'll find products and services that are suitable for businesses of all sizes. From digital signage that can hold up to prolonged hours of use in a small mom-and-pop store to powerful servers that can support a corporation's network of hundreds of workers, these pages offer a wide range of solutions for professional needs. In the following pages, discover how you can grow your business with the latest technologies available in-store and online.

Not everything a business needs can be found on a store shelf. Depending on the size and demands of your company, you may need to seek solutions through other avenues. For instance, Best Buy's business support helps you find technology and services that fit your company, no matter its size, industry, or obstacles. It also offers consultations with its business experts in stores, online, on the phone, and at your location.

Business Solutions:

Thin Clients

BUILT FOR BUSINESS

Often used for a single function, such as Web access or email, thin client computers connect to a network server and rely primarily on that server for their processing and storage tasks. Thin clients are just one facet of a larger computing infrastructure, and their benefits are many.

Benefits Of Thin Clients

Control. System admins can add and remove thin clients on demand to accommodate more or fewer employees and remote workers, without investing in fully capable systems that are more costly. Admins can also take greater control over network-stored content with thin clients that rely on the server for storage, applications, and OSes.

Efficiency. Multiple low-power thin clients and one or more servers can more aggressively reign in energy consumption to lower costs and shrink an organization's carbon footprint.

Security. Because thin clients rely on the server as a filter, malware and security threats have fewer avenues of attack. Access to applications can also be limited to groups or individual thin clients to ensure the right employees use them. A server/thin client setup is also more reliable because the components most likely to fail are located in the server, where redundancy can be part of the design.

Right For You?

A thin client infrastructure is not right for every organization, but they make a lot of sense for those that have specialized workstations, remote workers, quickly expanding or seasonal workforces, and skyrocketing hardware costs.

. . . low-power thin clients and one or more servers can aggressively reign in energy consumption to lower costs . . .

Essential Things To Know

Tablets FOR BUSINESS

BUILT FOR BUSINESS

What does it mean if a tablet can multitask?

Similar to working on a desktop computer or laptop, you'll be able to keep one app open while you quickly switch and start a task with another app.

Why would you want a tablet with a front-facing camera?

A front-facing camera allows you to teleconference face-to-face using the tablet. If you need to video chat while you're on the road, you can get a tablet with 3G mobile broadband and a data plan.

What can I do with a tablet's Bluetooth connection?

The connection lets you wirelessly transfer data between your tablet and other Bluetooth devices, such as a smartphone, as well as stream audio to Bluetooth-enabled headsets and speakers.

Why would I need a tablet with a memory card slot?

A memory card slot lets you expand your tablet's storage capacity. It also gives you an easy way to transfer files.

What kind of battery life can I expect from a tablet?

Most tablets offer a battery life that lasts anywhere up to 10 to 12 hours. Comparatively, most laptops have a battery life that lasts up to three or four hours.

Can I sync my work email with my tablet?

Yes. Many tablets can sync with popular business email clients, such as Microsoft Outlook. Before you do this, make sure you check with your IT administrator to see if connecting your work email to your tablet is against work policy.

A Peek At

The Digital Future

3D CAMERAS & CAMCORDERS

GLIMPSE AROUND THE CORNER

3D In An Instant

Remarkably, this digital camera not only allows you to shoot photos and HD (720 at 24fps) video in 3D, but also to view them in 3D without special eye-wear, right on the camera.

The Fujifilm FinePix REAL 3D W3 ($499.99; www.fujifilm.com) can take fullscreen or widescreen 3D shots at up to two pictures per second. It features a variety of automatic and manual modes that help you capture 3D shots with compelling depth, even if you use macro mode for up-close subjects, as well as landscape shots with very distant features.

On the back is a bright, colorful 3.5-inch LCD. Its secret sauce is a lenticular lens sheet, which lets you see your 3D content immediately and with your naked eye.

Fujifilm FinePix REAL 3D W3
SKU: 1216616
$499.99

Three-dimensional entertainment has made the jump from the silver screen to your living room, thanks to 3D BDs (Blu-ray Discs), 3D TV channels, and 3D-compatible HDTVs.

The next exciting step is to make your own home movies and snap your own photos in three-dimensional glory. It may surprise you to learn that you can take that 3D step right now.

How It Works

Shooting video or taking photos in 3D requires two slightly different images of the same subject. The images must be captured from vantage points a short distance aside from each other, like how you view objects with your eyes. When the pictures or footage is played back in such a way that your eyes see the two perspectives separately, the illusion tricks your mind into "seeing" a three-dimensional scene.

A 3D still image camera can take the two required photos simultaneously using dual lenses and two image sensors. (A 3D-compatible single-lens camera might snap high-speed frames in a panoramic mode, letting you press the shutter button once while moving the camera from one side of a scene to another. The camera then uses slices of the panoramic shot to automatically create a 3D still image.) A video camcorder, on the other hand, may have a single lens, but by adding a special attachment with two lenses, you'll be ready to shoot 3D movie footage.

Viewing Requirements

In order to enjoy self-made 3D media the way it was intended to be seen, you'll need a 3D-compatible TV, computer monitor, or other viewing device. This will ensure your left and right images or video frames will be viewed in such a way that your left eye sees only the content intended for it, and the same goes for your right eye.

Most 3D displays, such as a 3D-compatible plasma, LCD, or DLP HDTV (which are also referred to as 3D TVs), depend on special eyewear to hide the left view from the right eye and vice-versa. LCD shutter eyewear, the most common type, is like a pair of sunglasses with lenses that alternate between opaque and translucent states many times per second as the 3D TV flashes the left and right images on-screen. 3D TVs typically synchronize these images with the eyewear using a wireless signal. If the TV/eyewear combination inadvertently lets your eyes catch a glimpse of the wrong image or frame, called crosstalk, it can make the 3D picture seem blurry.

A few devices do away with the need for eyewear. For instance, certain computer monitors and handheld viewers use special layers of lenses to direct images to your left and right eyes for a 3D effect. A drawback to this approach is the fact that you need to be squarely in front of the screen; otherwise, you risk losing the 3D illusion.

Create At-Home 3D

To make your own 3D photos and video, you'll need a 3D camera or camcorder. Next, you need a suitable device to display your 3D creations. For example, your family and friends can enjoy your three-dimensional entertainment on a 3D TV together, as long as you have a pair of LCD shutter eyewear for each viewer. Other alternatives include a 3D-capable computer or a handheld 3D viewer.

For the best home-theater 3D experience, consider buying a couple of other components. An A/V receiver with 3D pass-through support lets you run your footage through your surround-sound speaker system without losing "lip sync" with the video on your 3D TV.

Lifestyle Benefits

One way 3D can impact your life is to make your vacation landscape photos pop instead of fizzle. If you travel, you probably take numerous pics of impressive vistas. But in the form of flat 4x6 prints, nobody gives landscape shots more than a passing glance unless there's someone they know in the foreground. Now picture Yosemite's beauty or the Grand Canyon's grandeur in three dimensions. It's the next best thing to being there.

As for video, home movies of your kids' sporting events may not exactly inspire repeated viewings. That is, not until you shoot some scenes in 3D. There's nothing like breaking the fourth wall, so to speak, to give a volleyball spike a sense of immediacy or a basketball layup a definite presence. When your viewers lean out of the way of incoming objects, you'll know that your 3D home movies are working their magic.

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